



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

Result of I B.Tech[R13,R10] II Semester Regular/Supplementary Examinations May-2016

College: VASAVI,TADEPALLIGUDEM:A8

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|---------------------------|----------|----------|---------|
| 10A81A0334 | R10202 | MATHEMATICS- II | 14 | -1 | 0 |
| 10A81A0442 | R10203 | ENGINEERING PHYSICS -II | 11 | 44 | 2 |
| 10A81A04A0 | R10202 | MATHEMATICS- II | 16 | 39 | 2 |
| 11A81A0148 | R10204 | ENGINEERING CHEMISTRY -II | 6 | 26 | 0 |
| 11A81A0301 | R10202 | MATHEMATICS- II | 14 | 3 | 0 |
| 11A81A0301 | R10204 | ENGINEERING CHEMISTRY -II | 7 | -1 | 0 |
| 11A81A0306 | R10202 | MATHEMATICS- II | 11 | -1 | 0 |
| 11A81A0306 | R10203 | ENGINEERING PHYSICS -II | 11 | -1 | 0 |
| 11A81A0306 | R10206 | MATHEMATICAL METHODS | 8 | -1 | 0 |
| 11A81A0312 | R10202 | MATHEMATICS- II | 9 | 0 | 0 |
| 11A81A0312 | R10203 | ENGINEERING PHYSICS -II | 10 | 19 | 0 |
| 11A81A0312 | R10204 | ENGINEERING CHEMISTRY -II | 6 | 11 | 0 |
| 11A81A0315 | R10202 | MATHEMATICS- II | 11 | -1 | 0 |
| 11A81A0315 | R10206 | MATHEMATICAL METHODS | 10 | 10 | 0 |
| 11A81A0338 | R10202 | MATHEMATICS- II | 10 | 31 | 2 |
| 11A81A0349 | R10203 | ENGINEERING PHYSICS -II | 11 | 21 | 0 |
| 11A81A0556 | R10202 | MATHEMATICS- II | 8 | 0 | 0 |
| 11A81A0556 | R10205 | ENGINEERING DRAWING | 14 | 0 | 0 |
| 11A81A0560 | R10202 | MATHEMATICS- II | 14 | 10 | 0 |
| 12A81A0103 | R10203 | ENGINEERING PHYSICS -II | 10 | 4 | 0 |
| 12A81A0103 | R10204 | ENGINEERING CHEMISTRY -II | 11 | 13 | 0 |
| 12A81A0103 | R10205 | ENGINEERING DRAWING | 15 | 4 | 0 |
| 12A81A0104 | R10204 | ENGINEERING CHEMISTRY -II | 13 | 12 | 0 |
| 12A81A0107 | R10202 | MATHEMATICS- II | 13 | 8 | 0 |
| 12A81A0107 | R10203 | ENGINEERING PHYSICS -II | 12 | 18 | 0 |
| 12A81A0109 | R10202 | MATHEMATICS- II | 7 | -1 | 0 |
| 12A81A0109 | R10203 | ENGINEERING PHYSICS -II | 10 | -1 | 0 |
| 12A81A0120 | R10202 | MATHEMATICS- II | 14 | 0 | 0 |
| 12A81A0120 | R10203 | ENGINEERING PHYSICS -II | 10 | 15 | 0 |
| 12A81A0121 | R10203 | ENGINEERING PHYSICS -II | 14 | -1 | 0 |
| 12A81A0122 | R10202 | MATHEMATICS- II | 12 | 0 | 0 |
| 12A81A0128 | R10203 | ENGINEERING PHYSICS -II | 12 | 5 | 0 |
| 12A81A0135 | R10204 | ENGINEERING CHEMISTRY -II | 15 | 9 | 0 |
| 12A81A0138 | R10201 | ENGLISH - II | 16 | 6 | 0 |
| 12A81A0138 | R10202 | MATHEMATICS- II | 7 | 0 | 0 |
| 12A81A0138 | R10205 | ENGINEERING DRAWING | 14 | 0 | 0 |
| 12A81A0143 | R10205 | ENGINEERING DRAWING | 15 | 0 | 0 |
| 12A81A0151 | R10202 | MATHEMATICS- II | 15 | 4 | 0 |
| 12A81A0151 | R10203 | ENGINEERING PHYSICS -II | 10 | 14 | 0 |
| 12A81A0154 | R10202 | MATHEMATICS- II | 11 | 0 | 0 |
| 12A81A0156 | R10202 | MATHEMATICS- II | 14 | 7 | 0 |
| 12A81A0226 | R10207 | ENVIRONMENTAL STUDIES | 12 | 3 | 0 |
| 12A81A0232 | R10202 | MATHEMATICS- II | 16 | 4 | 0 |
| 12A81A0232 | R10203 | ENGINEERING PHYSICS -II | 16 | 17 | 0 |
| 12A81A0291 | R10203 | ENGINEERING PHYSICS -II | 13 | 31 | 2 |
| 12A81A0291 | R10204 | ENGINEERING CHEMISTRY -II | 20 | 9 | 0 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|---------------------------|----------|----------|---------|
| 12A81A0316 | R10202 | MATHEMATICS- II | 12 | 10 | 0 |
| 12A81A0316 | R10203 | ENGINEERING PHYSICS -II | 8 | -1 | 0 |
| 12A81A0316 | R10204 | ENGINEERING CHEMISTRY -II | 14 | 0 | 0 |
| 12A81A0319 | R10202 | MATHEMATICS- II | 16 | 0 | 0 |
| 12A81A0323 | R10202 | MATHEMATICS- II | 12 | 5 | 0 |
| 12A81A0329 | R10202 | MATHEMATICS- II | 15 | 10 | 0 |
| 12A81A0331 | R10203 | ENGINEERING PHYSICS -II | 13 | -1 | 0 |
| 12A81A0331 | R10204 | ENGINEERING CHEMISTRY -II | 11 | 2 | 0 |
| 12A81A0336 | R10202 | MATHEMATICS- II | 22 | 0 | 0 |
| 12A81A0336 | R10203 | ENGINEERING PHYSICS -II | 16 | 12 | 0 |
| 12A81A0336 | R10204 | ENGINEERING CHEMISTRY -II | 20 | 0 | 0 |
| 12A81A0351 | R10204 | ENGINEERING CHEMISTRY -II | 15 | 2 | 0 |
| 12A81A0358 | R10202 | MATHEMATICS- II | 19 | 0 | 0 |
| 12A81A0364 | R10202 | MATHEMATICS- II | 17 | 0 | 0 |
| 12A81A0364 | R10203 | ENGINEERING PHYSICS -II | 16 | 16 | 0 |
| 12A81A0364 | R10206 | MATHEMATICAL METHODS | 15 | 8 | 0 |
| 12A81A03A2 | R10202 | MATHEMATICS- II | 19 | 0 | 0 |
| 12A81A03A2 | R10205 | ENGINEERING DRAWING | 14 | 14 | 0 |
| 12A81A03A3 | R10205 | ENGINEERING DRAWING | 12 | 7 | 0 |
| 12A81A03A3 | R10206 | MATHEMATICAL METHODS | 10 | 0 | 0 |
| 12A81A03A6 | R10205 | ENGINEERING DRAWING | 15 | 6 | 0 |
| 12A81A03A6 | R10206 | MATHEMATICAL METHODS | 8 | 0 | 0 |
| 12A81A0422 | R10202 | MATHEMATICS- II | 11 | 0 | 0 |
| 12A81A0422 | R10203 | ENGINEERING PHYSICS -II | 7 | 33 | 2 |
| 12A81A0422 | R10204 | ENGINEERING CHEMISTRY -II | 12 | 40 | 2 |
| 12A81A0439 | R10202 | MATHEMATICS- II | 14 | -1 | 0 |
| 12A81A0443 | R10203 | ENGINEERING PHYSICS -II | 12 | 31 | 2 |
| 12A81A0443 | R10204 | ENGINEERING CHEMISTRY -II | 14 | 0 | 0 |
| 12A81A0444 | R10202 | MATHEMATICS- II | 17 | -1 | 0 |
| 12A81A0450 | R10203 | ENGINEERING PHYSICS -II | 9 | 31 | 2 |
| 12A81A0479 | R10203 | ENGINEERING PHYSICS -II | 15 | 27 | 2 |
| 12A81A0480 | R10202 | MATHEMATICS- II | 17 | 14 | 0 |
| 12A81A04A5 | R10203 | ENGINEERING PHYSICS -II | 15 | 35 | 2 |
| 12A81A04A8 | R10202 | MATHEMATICS- II | 19 | 31 | 2 |
| 12A81A0510 | R10205 | ENGINEERING DRAWING | 20 | 2 | 0 |
| 12A81A0512 | R10202 | MATHEMATICS- II | 20 | 10 | 0 |
| 12A81A0529 | R10204 | ENGINEERING CHEMISTRY -II | 9 | 0 | 0 |
| 12A81A0540 | R10202 | MATHEMATICS- II | 13 | 10 | 0 |
| 12A81A0549 | R10202 | MATHEMATICS- II | 16 | 5 | 0 |
| 12A81A0549 | R10205 | ENGINEERING DRAWING | 14 | 4 | 0 |
| 12A81A0557 | R10202 | MATHEMATICS- II | 16 | 0 | 0 |
| 12A81A0566 | R10202 | MATHEMATICS- II | 11 | 0 | 0 |
| 12A81A0566 | R10203 | ENGINEERING PHYSICS -II | 9 | 31 | 2 |
| 12A81A0566 | R10205 | ENGINEERING DRAWING | 18 | 0 | 0 |
| 12A81A0593 | R10202 | MATHEMATICS- II | 11 | 0 | 0 |
| 12A81A0593 | R10205 | ENGINEERING DRAWING | 20 | 0 | 0 |
| 12A81A0596 | R10202 | MATHEMATICS- II | 14 | 10 | 0 |
| 12A81A05A3 | R10202 | MATHEMATICS- II | 16 | 10 | 0 |
| 12A81A05B3 | R10202 | MATHEMATICS- II | 16 | 0 | 0 |
| 12A81A05B3 | R10204 | ENGINEERING CHEMISTRY -II | 12 | 32 | 2 |
| 12A81A05B7 | R10203 | ENGINEERING PHYSICS -II | 10 | -1 | 0 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|--------------------------------|----------|----------|---------|
| 12A81A05B7 | R10204 | ENGINEERING CHEMISTRY -II | 12 | -1 | 0 |
| 12A81A1216 | R10202 | MATHEMATICS- II | 17 | 0 | 0 |
| 12A81A1216 | R10203 | ENGINEERING PHYSICS -II | 16 | 34 | 2 |
| 12A81A1216 | R10204 | ENGINEERING CHEMISTRY -II | 8 | 14 | 0 |
| 12A81A1216 | R10206 | MATHEMATICAL METHODS | 19 | 4 | 0 |
| 12A81A1218 | R10202 | MATHEMATICS- II | 15 | 2 | 0 |
| 12A81A1219 | R10202 | MATHEMATICS- II | 15 | 0 | 0 |
| 12A81A1232 | R10203 | ENGINEERING PHYSICS -II | 15 | 38 | 2 |
| 12A81A1242 | R10202 | MATHEMATICS- II | 14 | 2 | 0 |
| 13A81A0105 | R13203 | ENGG. PHYSICS | 14 | 0 | 0 |
| 13A81A0105 | R13207 | MATHEMATICS-II (MM) | 20 | 35 | 3 |
| 13A81A0105 | R13209 | ENGG. DRAWING | 28 | 9 | 0 |
| 13A81A0109 | R13207 | MATHEMATICS-II (MM) | 12 | 14 | 0 |
| 13A81A0109 | R13209 | ENGG. DRAWING | 25 | 13 | 0 |
| 13A81A0111 | R13203 | ENGG. PHYSICS | 17 | 10 | 0 |
| 13A81A0113 | R13202 | MATHEMATICS-III | 10 | 25 | 0 |
| 13A81A0120 | R13203 | ENGG. PHYSICS | 13 | 0 | 0 |
| 13A81A0120 | R13209 | ENGG. DRAWING | 28 | -1 | 0 |
| 13A81A0124 | R13209 | ENGG. DRAWING | 30 | 8 | 0 |
| 13A81A0132 | R13209 | ENGG. DRAWING | 26 | 37 | 3 |
| 13A81A0146 | R13203 | ENGG. PHYSICS | 12 | 4 | 0 |
| 13A81A0146 | R13207 | MATHEMATICS-II (MM) | 15 | 0 | 0 |
| 13A81A0146 | R13209 | ENGG. DRAWING | 26 | 2 | 0 |
| 13A81A0147 | R13209 | ENGG. DRAWING | 30 | -1 | 0 |
| 13A81A0153 | R13209 | ENGG. DRAWING | 25 | 8 | 0 |
| 13A81A0203 | R13205 | C PROGRAMMING | 16 | 12 | 0 |
| 13A81A0207 | R13210 | ENGG. MECHANICS | 18 | 31 | 3 |
| 13A81A0214 | R13205 | C PROGRAMMING | 15 | 5 | 0 |
| 13A81A0217 | R13210 | ENGG. MECHANICS | 11 | 6 | 0 |
| 13A81A0217 | R13212 | ELECTRICAL CIRCUITS ANALYSIS-I | 9 | -1 | 0 |
| 13A81A0220 | R13205 | C PROGRAMMING | 12 | 3 | 0 |
| 13A81A0220 | R13212 | ELECTRICAL CIRCUITS ANALYSIS-I | 17 | -1 | 0 |
| 13A81A0223 | R13210 | ENGG. MECHANICS | 6 | 25 | 0 |
| 13A81A0227 | R13204 | ENGG. CHEMISTRY | 13 | 5 | 0 |
| 13A81A0227 | R13210 | ENGG. MECHANICS | 9 | 13 | 0 |
| 13A81A0227 | R13212 | ELECTRICAL CIRCUITS ANALYSIS-I | 14 | 6 | 0 |
| 13A81A0230 | R13205 | C PROGRAMMING | 16 | 4 | 0 |
| 13A81A0230 | R13210 | ENGG. MECHANICS | 10 | 3 | 0 |
| 13A81A0244 | R13202 | MATHEMATICS-III | 25 | -1 | 0 |
| 13A81A0244 | R13210 | ENGG. MECHANICS | 12 | 0 | 0 |
| 13A81A0245 | R13205 | C PROGRAMMING | 13 | 3 | 0 |
| 13A81A0247 | R13204 | ENGG. CHEMISTRY | 14 | 4 | 0 |
| 13A81A0247 | R13205 | C PROGRAMMING | 9 | 0 | 0 |
| 13A81A0248 | R13204 | ENGG. CHEMISTRY | 8 | 16 | 0 |
| 13A81A0248 | R13210 | ENGG. MECHANICS | 7 | 4 | 0 |
| 13A81A0250 | R13204 | ENGG. CHEMISTRY | 14 | 14 | 0 |
| 13A81A0250 | R13205 | C PROGRAMMING | 16 | 18 | 0 |
| 13A81A0250 | R13210 | ENGG. MECHANICS | 13 | 18 | 0 |
| 13A81A0250 | R13212 | ELECTRICAL CIRCUITS ANALYSIS-I | 18 | 0 | 0 |
| 13A81A0258 | R13210 | ENGG. MECHANICS | 15 | 19 | 0 |
| 13A81A0262 | R13210 | ENGG. MECHANICS | 11 | 4 | 0 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|------------------------------------|----------|----------|---------|
| 13A81A0301 | R13202 | MATHEMATICS-III | 20 | 0 | 0 |
| 13A81A0306 | R13202 | MATHEMATICS-III | 23 | 0 | 0 |
| 13A81A0306 | R13207 | MATHEMATICS-II (MM) | 25 | 5 | 0 |
| 13A81A0306 | R13209 | ENGG. DRAWING | 25 | 3 | 0 |
| 13A81A0309 | R13202 | MATHEMATICS-III | 15 | 0 | 0 |
| 13A81A0309 | R13207 | MATHEMATICS-II (MM) | 19 | 0 | 0 |
| 13A81A0318 | R13209 | ENGG. DRAWING | 27 | 0 | 0 |
| 13A81A0327 | R13203 | ENGG. PHYSICS | 22 | 28 | 3 |
| 13A81A0341 | R13203 | ENGG. PHYSICS | 16 | 0 | 0 |
| 13A81A0343 | R13202 | MATHEMATICS-III | 20 | -1 | 0 |
| 13A81A0350 | R13203 | ENGG. PHYSICS | 20 | 0 | 0 |
| 13A81A0354 | R13202 | MATHEMATICS-III | 19 | 0 | 0 |
| 13A81A0362 | R13209 | ENGG. DRAWING | 25 | -1 | 0 |
| 13A81A0364 | R13202 | MATHEMATICS-III | 27 | 4 | 0 |
| 13A81A0372 | R13202 | MATHEMATICS-III | 26 | 0 | 0 |
| 13A81A0372 | R13203 | ENGG. PHYSICS | 17 | 4 | 0 |
| 13A81A0372 | R13207 | MATHEMATICS-II (MM) | 10 | 2 | 0 |
| 13A81A0374 | R13207 | MATHEMATICS-II (MM) | 14 | 8 | 0 |
| 13A81A0384 | R13202 | MATHEMATICS-III | 18 | -1 | 0 |
| 13A81A0384 | R13203 | ENGG. PHYSICS | 17 | -1 | 0 |
| 13A81A0384 | R13207 | MATHEMATICS-II (MM) | 10 | -1 | 0 |
| 13A81A0384 | R13209 | ENGG. DRAWING | 20 | -1 | 0 |
| 13A81A03A1 | R13202 | MATHEMATICS-III | 18 | 0 | 0 |
| 13A81A03A1 | R13203 | ENGG. PHYSICS | 19 | 0 | 0 |
| 13A81A03A1 | R13207 | MATHEMATICS-II (MM) | 10 | 8 | 0 |
| 13A81A03A4 | R13203 | ENGG. PHYSICS | 6 | 0 | 0 |
| 13A81A03A4 | R13209 | ENGG. DRAWING | 22 | 0 | 0 |
| 13A81A03A6 | R13203 | ENGG. PHYSICS | 20 | 0 | 0 |
| 13A81A03A6 | R13209 | ENGG. DRAWING | 24 | -1 | 0 |
| 13A81A03A7 | R13203 | ENGG. PHYSICS | 24 | 12 | 0 |
| 13A81A03B3 | R13203 | ENGG. PHYSICS | 19 | 5 | 0 |
| 13A81A03B7 | R13201 | ENGLISH-II | 16 | 19 | 0 |
| 13A81A03B7 | R13202 | MATHEMATICS-III | 11 | 0 | 0 |
| 13A81A03B7 | R13203 | ENGG. PHYSICS | 4 | 0 | 0 |
| 13A81A03B7 | R13207 | MATHEMATICS-II (MM) | 8 | 7 | 0 |
| 13A81A03B7 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 1 | 27 | 0 |
| 13A81A03B7 | R13209 | ENGG. DRAWING | 16 | 0 | 0 |
| 13A81A0403 | R13204 | ENGG. CHEMISTRY | 12 | 7 | 0 |
| 13A81A0403 | R13210 | ENGG. MECHANICS | 20 | 9 | 0 |
| 13A81A0424 | R13210 | ENGG. MECHANICS | 18 | 0 | 0 |
| 13A81A0425 | R13204 | ENGG. CHEMISTRY | 14 | 0 | 0 |
| 13A81A0425 | R13210 | ENGG. MECHANICS | 16 | 2 | 0 |
| 13A81A0425 | R13211 | NETWORK ANALYSIS | 6 | 0 | 0 |
| 13A81A0429 | R13202 | MATHEMATICS-III | 13 | 0 | 0 |
| 13A81A0429 | R13205 | C PROGRAMMING | 13 | 0 | 0 |
| 13A81A0429 | R13210 | ENGG. MECHANICS | 16 | 2 | 0 |
| 13A81A0430 | R13204 | ENGG. CHEMISTRY | 11 | 24 | 0 |
| 13A81A0438 | R13202 | MATHEMATICS-III | 15 | 0 | 0 |
| 13A81A0438 | R13204 | ENGG. CHEMISTRY | 15 | 26 | 3 |
| 13A81A0438 | R13211 | NETWORK ANALYSIS | 12 | 8 | 0 |
| 13A81A0445 | R13204 | ENGG. CHEMISTRY | 9 | 10 | 0 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|---------------------|----------|----------|---------|
| 13A81A0448 | R13211 | NETWORK ANALYSIS | 10 | 41 | 3 |
| 13A81A0491 | R13211 | NETWORK ANALYSIS | 9 | 14 | 0 |
| 13A81A0492 | R13205 | C PROGRAMMING | 15 | 1 | 0 |
| 13A81A0492 | R13211 | NETWORK ANALYSIS | 10 | 0 | 0 |
| 13A81A0493 | R13210 | ENGG. MECHANICS | 20 | 15 | 0 |
| 13A81A0495 | R13211 | NETWORK ANALYSIS | 13 | 0 | 0 |
| 13A81A0498 | R13211 | NETWORK ANALYSIS | 14 | 2 | 0 |
| 13A81A04A1 | R13204 | ENGG. CHEMISTRY | 12 | 0 | 0 |
| 13A81A04A1 | R13205 | C PROGRAMMING | 14 | 0 | 0 |
| 13A81A04A1 | R13210 | ENGG. MECHANICS | 15 | 0 | 0 |
| 13A81A04A5 | R13202 | MATHEMATICS-III | 18 | 2 | 0 |
| 13A81A04A5 | R13204 | ENGG. CHEMISTRY | 12 | 10 | 0 |
| 13A81A04A5 | R13210 | ENGG. MECHANICS | 20 | 10 | 0 |
| 13A81A04A5 | R13211 | NETWORK ANALYSIS | 11 | 3 | 0 |
| 13A81A04B4 | R13205 | C PROGRAMMING | 22 | 14 | 0 |
| 13A81A04B7 | R13204 | ENGG. CHEMISTRY | 7 | -1 | 0 |
| 13A81A04B7 | R13205 | C PROGRAMMING | 20 | 0 | 0 |
| 13A81A04B7 | R13210 | ENGG. MECHANICS | 16 | 0 | 0 |
| 13A81A04C6 | R13210 | ENGG. MECHANICS | 17 | 1 | 0 |
| 13A81A04E4 | R13211 | NETWORK ANALYSIS | 10 | 17 | 0 |
| 13A81A04E5 | R13204 | ENGG. CHEMISTRY | 14 | 11 | 0 |
| 13A81A04E5 | R13205 | C PROGRAMMING | 17 | 4 | 0 |
| 13A81A04E5 | R13210 | ENGG. MECHANICS | 13 | 0 | 0 |
| 13A81A04E5 | R13211 | NETWORK ANALYSIS | 15 | -1 | 0 |
| 13A81A04F2 | R13204 | ENGG. CHEMISTRY | 11 | 3 | 0 |
| 13A81A04F2 | R13205 | C PROGRAMMING | 14 | 8 | 0 |
| 13A81A04F2 | R13210 | ENGG. MECHANICS | 16 | 1 | 0 |
| 13A81A04F4 | R13205 | C PROGRAMMING | 16 | 12 | 0 |
| 13A81A04F4 | R13210 | ENGG. MECHANICS | 15 | 11 | 0 |
| 13A81A04F9 | R13204 | ENGG. CHEMISTRY | 9 | -1 | 0 |
| 13A81A04F9 | R13205 | C PROGRAMMING | 13 | 3 | 0 |
| 13A81A04F9 | R13210 | ENGG. MECHANICS | 12 | 3 | 0 |
| 13A81A04F9 | R13211 | NETWORK ANALYSIS | 16 | -1 | 0 |
| 13A81A04G2 | R13205 | C PROGRAMMING | 18 | 1 | 0 |
| 13A81A04G3 | R13210 | ENGG. MECHANICS | 11 | 0 | 0 |
| 13A81A04G3 | R13211 | NETWORK ANALYSIS | 14 | 14 | 0 |
| 13A81A0502 | R13203 | ENGG. PHYSICS | 17 | 2 | 0 |
| 13A81A0502 | R13207 | MATHEMATICS-II (MM) | 19 | 19 | 0 |
| 13A81A0502 | R13209 | ENGG. DRAWING | 17 | 8 | 0 |
| 13A81A0512 | R13203 | ENGG. PHYSICS | 16 | 1 | 0 |
| 13A81A0512 | R13209 | ENGG. DRAWING | 19 | 35 | 3 |
| 13A81A0519 | R13202 | MATHEMATICS-III | 26 | 11 | 0 |
| 13A81A0522 | R13202 | MATHEMATICS-III | 20 | 2 | 0 |
| 13A81A0523 | R13203 | ENGG. PHYSICS | 11 | 0 | 0 |
| 13A81A0533 | R13203 | ENGG. PHYSICS | 25 | 4 | 0 |
| 13A81A0554 | R13202 | MATHEMATICS-III | 0 | 27 | 0 |
| 13A81A0561 | R13202 | MATHEMATICS-III | 13 | 14 | 0 |
| 13A81A0561 | R13203 | ENGG. PHYSICS | 11 | 2 | 0 |
| 13A81A0561 | R13209 | ENGG. DRAWING | 16 | 1 | 0 |
| 13A81A0571 | R13203 | ENGG. PHYSICS | 18 | 9 | 0 |
| 13A81A0573 | R13202 | MATHEMATICS-III | 17 | -1 | 0 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 13A81A0580 | R13202 | MATHEMATICS-III | 15 | 12 | 0 |
| 13A81A0580 | R13209 | ENGG. DRAWING | 15 | 9 | 0 |
| 13A81A0591 | R13207 | MATHEMATICS-II (MM) | 9 | 4 | 0 |
| 13A81A05A4 | R13203 | ENGG. PHYSICS | 18 | 0 | 0 |
| 13A81A05A4 | R13209 | ENGG. DRAWING | 19 | 0 | 0 |
| 13A81A05B6 | R13207 | MATHEMATICS-II (MM) | 17 | 15 | 0 |
| 13A81A05C5 | R13209 | ENGG. DRAWING | 24 | -1 | 0 |
| 13A81A05D1 | R13209 | ENGG. DRAWING | 23 | 0 | 0 |
| 13A81A05D8 | R13203 | ENGG. PHYSICS | 11 | 0 | 0 |
| 13A81A05D8 | R13207 | MATHEMATICS-II (MM) | 9 | 11 | 0 |
| 13A81A05D8 | R13209 | ENGG. DRAWING | 16 | 0 | 0 |
| 13A81A05D9 | R13207 | MATHEMATICS-II (MM) | 11 | 36 | 3 |
| 13A81A05E8 | R13203 | ENGG. PHYSICS | 14 | 0 | 0 |
| 13A81A05E8 | R13209 | ENGG. DRAWING | 15 | -1 | 0 |
| 14A81A0104 | R13202 | MATHEMATICS-III | 19 | 4 | 0 |
| 14A81A0104 | R13207 | MATHEMATICS-II (MM) | 18 | 3 | 0 |
| 14A81A0104 | R13209 | ENGG. DRAWING | 17 | -1 | 0 |
| 14A81A0113 | R13202 | MATHEMATICS-III | 22 | 18 | 0 |
| 14A81A0113 | R13207 | MATHEMATICS-II (MM) | 13 | 17 | 0 |
| 14A81A0113 | R13209 | ENGG. DRAWING | 26 | 33 | 3 |
| 14A81A0124 | R13203 | ENGG. PHYSICS | 19 | 24 | 3 |
| 14A81A0132 | R13202 | MATHEMATICS-III | 19 | 12 | 0 |
| 14A81A0141 | R13202 | MATHEMATICS-III | 18 | 7 | 0 |
| 14A81A0141 | R13207 | MATHEMATICS-II (MM) | 19 | 7 | 0 |
| 14A81A0141 | R13209 | ENGG. DRAWING | 20 | 0 | 0 |
| 14A81A0145 | R13202 | MATHEMATICS-III | 20 | 8 | 0 |
| 14A81A0145 | R13203 | ENGG. PHYSICS | 17 | 7 | 0 |
| 14A81A0145 | R13207 | MATHEMATICS-II (MM) | 17 | 25 | 3 |
| 14A81A0334 | R13201 | ENGLISH-II | 27 | 40 | 3 |
| 14A81A0334 | R13202 | MATHEMATICS-III | 24 | 43 | 3 |
| 14A81A0334 | R13203 | ENGG. PHYSICS | 25 | 38 | 3 |
| 14A81A0334 | R13207 | MATHEMATICS-II (MM) | 25 | 44 | 3 |
| 14A81A0334 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 27 | 31 | 3 |
| 14A81A0334 | R13209 | ENGG. DRAWING | 28 | 33 | 3 |
| 14A81A0334 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 46 | 2 |
| 14A81A0334 | R13214 | ENGINEERING PHYSICS LAB | 20 | 40 | 2 |
| 14A81A0334 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 25 | 40 | 2 |
| 14A81A0357 | R13202 | MATHEMATICS-III | 19 | -1 | 0 |
| 14A81A0366 | R13202 | MATHEMATICS-III | 12 | 0 | 0 |
| 14A81A0366 | R13207 | MATHEMATICS-II (MM) | 16 | 10 | 0 |
| 14A81A0366 | R13209 | ENGG. DRAWING | 20 | 3 | 0 |
| 14A81A0376 | R13201 | ENGLISH-II | 17 | -1 | 0 |
| 14A81A0376 | R13202 | MATHEMATICS-III | 16 | -1 | 0 |
| 14A81A0376 | R13203 | ENGG. PHYSICS | 7 | 0 | 0 |
| 14A81A0376 | R13209 | ENGG. DRAWING | 20 | -1 | 0 |
| 14A81A0376 | R13214 | ENGINEERING PHYSICS LAB | 5 | -1 | 0 |
| 14A81A0378 | R13203 | ENGG. PHYSICS | 20 | 2 | 0 |
| 14A81A0378 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 23 | 26 | 3 |
| 14A81A0386 | R13203 | ENGG. PHYSICS | 12 | 1 | 0 |
| 14A81A0388 | R13202 | MATHEMATICS-III | 15 | 16 | 0 |
| 14A81A0395 | R13202 | MATHEMATICS-III | 18 | 20 | 0 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 14A81A0399 | R13202 | MATHEMATICS-III | 18 | -1 | 0 |
| 14A81A0399 | R13203 | ENGG. PHYSICS | 14 | -1 | 0 |
| 14A81A0399 | R13209 | ENGG. DRAWING | 26 | -1 | 0 |
| 14A81A0466 | R13210 | ENGG. MECHANICS | 10 | 5 | 0 |
| 14A81A0466 | R13211 | NETWORK ANALYSIS | 14 | 29 | 3 |
| 14A81A04A7 | R13210 | ENGG. MECHANICS | 10 | 17 | 0 |
| 14A81A04E2 | R13210 | ENGG. MECHANICS | 10 | -1 | 0 |
| 14A81A04E2 | R13211 | NETWORK ANALYSIS | 7 | 10 | 0 |
| 14A81A0542 | R13202 | MATHEMATICS-III | 16 | 25 | 3 |
| 14A81A0543 | R13202 | MATHEMATICS-III | 9 | 31 | 3 |
| 14A81A0543 | R13203 | ENGG. PHYSICS | 9 | 0 | 0 |
| 14A81A0543 | R13207 | MATHEMATICS-II (MM) | 15 | 14 | 0 |
| 14A81A0543 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 18 | 36 | 3 |
| 14A81A0543 | R13209 | ENGG. DRAWING | 10 | 0 | 0 |
| 14A81A0552 | R13209 | ENGG. DRAWING | 15 | 5 | 0 |
| 14A81A0556 | R13202 | MATHEMATICS-III | 14 | 24 | 0 |
| 14A81A0556 | R13203 | ENGG. PHYSICS | 19 | 0 | 0 |
| 14A81A0556 | R13209 | ENGG. DRAWING | 23 | 13 | 0 |
| 14A81A05B8 | R13207 | MATHEMATICS-II (MM) | 18 | 28 | 3 |
| 14A81A05B8 | R13209 | ENGG. DRAWING | 17 | 8 | 0 |
| 14A81A05D4 | R13201 | ENGLISH-II | 21 | 38 | 3 |
| 14A81A05D4 | R13202 | MATHEMATICS-III | 28 | 60 | 3 |
| 14A81A05D4 | R13203 | ENGG. PHYSICS | 22 | 40 | 3 |
| 14A81A05D4 | R13207 | MATHEMATICS-II (MM) | 28 | 38 | 3 |
| 14A81A05D4 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 21 | 41 | 3 |
| 14A81A05D4 | R13209 | ENGG. DRAWING | 30 | 51 | 3 |
| 14A81A05D4 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 43 | 2 |
| 14A81A05D4 | R13214 | ENGINEERING PHYSICS LAB | 22 | 40 | 2 |
| 14A81A05D4 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 21 | 40 | 2 |
| 14A81A05F7 | R13203 | ENGG. PHYSICS | 15 | 7 | 0 |
| 14A81A05F7 | R13209 | ENGG. DRAWING | 20 | 1 | 0 |
| 14A81A05F8 | R13202 | MATHEMATICS-III | 23 | -1 | 0 |
| 14A81A05F8 | R13203 | ENGG. PHYSICS | 11 | 0 | 0 |
| 14A81A05F8 | R13207 | MATHEMATICS-II (MM) | 21 | 4 | 0 |
| 15A81A0101 | R13201 | ENGLISH-II | 25 | 43 | 3 |
| 15A81A0101 | R13202 | MATHEMATICS-III | 26 | 38 | 3 |
| 15A81A0101 | R13203 | ENGG. PHYSICS | 25 | 40 | 3 |
| 15A81A0101 | R13207 | MATHEMATICS-II (MM) | 27 | 46 | 3 |
| 15A81A0101 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 29 | 38 | 3 |
| 15A81A0101 | R13209 | ENGG. DRAWING | 28 | 45 | 3 |
| 15A81A0101 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 23 | 47 | 2 |
| 15A81A0101 | R13214 | ENGINEERING PHYSICS LAB | 24 | 47 | 2 |
| 15A81A0101 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 24 | 46 | 2 |
| 15A81A0102 | R13201 | ENGLISH-II | 22 | 43 | 3 |
| 15A81A0102 | R13202 | MATHEMATICS-III | 24 | 25 | 3 |
| 15A81A0102 | R13203 | ENGG. PHYSICS | 27 | 13 | 0 |
| 15A81A0102 | R13207 | MATHEMATICS-II (MM) | 22 | 14 | 0 |
| 15A81A0102 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 27 | 26 | 3 |
| 15A81A0102 | R13209 | ENGG. DRAWING | 28 | 24 | 3 |
| 15A81A0102 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 18 | 37 | 2 |
| 15A81A0102 | R13214 | ENGINEERING PHYSICS LAB | 22 | 44 | 2 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A0102 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 24 | 40 | 2 |
| 15A81A0103 | R13201 | ENGLISH-II | 25 | 31 | 3 |
| 15A81A0103 | R13202 | MATHEMATICS-III | 26 | 47 | 3 |
| 15A81A0103 | R13203 | ENGG. PHYSICS | 26 | 7 | 0 |
| 15A81A0103 | R13207 | MATHEMATICS-II (MM) | 26 | 37 | 3 |
| 15A81A0103 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 29 | 42 | 3 |
| 15A81A0103 | R13209 | ENGG. DRAWING | 30 | 33 | 3 |
| 15A81A0103 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 45 | 2 |
| 15A81A0103 | R13214 | ENGINEERING PHYSICS LAB | 23 | 41 | 2 |
| 15A81A0103 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 24 | 45 | 2 |
| 15A81A0104 | R13201 | ENGLISH-II | 24 | 41 | 3 |
| 15A81A0104 | R13202 | MATHEMATICS-III | 23 | 13 | 0 |
| 15A81A0104 | R13203 | ENGG. PHYSICS | 22 | 6 | 0 |
| 15A81A0104 | R13207 | MATHEMATICS-II (MM) | 14 | 17 | 0 |
| 15A81A0104 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 28 | 31 | 3 |
| 15A81A0104 | R13209 | ENGG. DRAWING | 28 | 31 | 3 |
| 15A81A0104 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 36 | 2 |
| 15A81A0104 | R13214 | ENGINEERING PHYSICS LAB | 18 | 38 | 2 |
| 15A81A0104 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 23 | 42 | 2 |
| 15A81A0105 | R13201 | ENGLISH-II | 24 | 36 | 3 |
| 15A81A0105 | R13202 | MATHEMATICS-III | 25 | 47 | 3 |
| 15A81A0105 | R13203 | ENGG. PHYSICS | 25 | 9 | 0 |
| 15A81A0105 | R13207 | MATHEMATICS-II (MM) | 26 | 29 | 3 |
| 15A81A0105 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 24 | 31 | 3 |
| 15A81A0105 | R13209 | ENGG. DRAWING | 30 | 24 | 3 |
| 15A81A0105 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 40 | 2 |
| 15A81A0105 | R13214 | ENGINEERING PHYSICS LAB | 22 | 44 | 2 |
| 15A81A0105 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 24 | 42 | 2 |
| 15A81A0106 | R13201 | ENGLISH-II | 25 | 47 | 3 |
| 15A81A0106 | R13202 | MATHEMATICS-III | 25 | 39 | 3 |
| 15A81A0106 | R13203 | ENGG. PHYSICS | 24 | 28 | 3 |
| 15A81A0106 | R13207 | MATHEMATICS-II (MM) | 26 | 26 | 3 |
| 15A81A0106 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 24 | 24 | 3 |
| 15A81A0106 | R13209 | ENGG. DRAWING | 30 | 39 | 3 |
| 15A81A0106 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 44 | 2 |
| 15A81A0106 | R13214 | ENGINEERING PHYSICS LAB | 18 | 36 | 2 |
| 15A81A0106 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 23 | 40 | 2 |
| 15A81A0107 | R13201 | ENGLISH-II | 26 | 36 | 3 |
| 15A81A0107 | R13202 | MATHEMATICS-III | 28 | 64 | 3 |
| 15A81A0107 | R13203 | ENGG. PHYSICS | 25 | 70 | 3 |
| 15A81A0107 | R13207 | MATHEMATICS-II (MM) | 28 | 64 | 3 |
| 15A81A0107 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 28 | 40 | 3 |
| 15A81A0107 | R13209 | ENGG. DRAWING | 30 | 41 | 3 |
| 15A81A0107 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 24 | 44 | 2 |
| 15A81A0107 | R13214 | ENGINEERING PHYSICS LAB | 23 | 49 | 2 |
| 15A81A0107 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 23 | 42 | 2 |
| 15A81A0108 | R13201 | ENGLISH-II | 23 | 28 | 3 |
| 15A81A0108 | R13202 | MATHEMATICS-III | 18 | 0 | 0 |
| 15A81A0108 | R13203 | ENGG. PHYSICS | 16 | 6 | 0 |
| 15A81A0108 | R13207 | MATHEMATICS-II (MM) | 16 | 12 | 0 |
| 15A81A0108 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 20 | 31 | 3 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A0108 | R13209 | ENGG. DRAWING | 27 | 5 | 0 |
| 15A81A0108 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 16 | 33 | 2 |
| 15A81A0108 | R13214 | ENGINEERING PHYSICS LAB | 15 | 30 | 2 |
| 15A81A0108 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 17 | 38 | 2 |
| 15A81A0109 | R13201 | ENGLISH-II | 21 | 42 | 3 |
| 15A81A0109 | R13202 | MATHEMATICS-III | 19 | 37 | 3 |
| 15A81A0109 | R13203 | ENGG. PHYSICS | 17 | 11 | 0 |
| 15A81A0109 | R13207 | MATHEMATICS-II (MM) | 20 | 29 | 3 |
| 15A81A0109 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 25 | 41 | 3 |
| 15A81A0109 | R13209 | ENGG. DRAWING | 22 | 8 | 0 |
| 15A81A0109 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 38 | 2 |
| 15A81A0109 | R13214 | ENGINEERING PHYSICS LAB | 16 | 36 | 2 |
| 15A81A0109 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 24 | 38 | 2 |
| 15A81A0110 | R13201 | ENGLISH-II | 23 | 34 | 3 |
| 15A81A0110 | R13202 | MATHEMATICS-III | 22 | 8 | 0 |
| 15A81A0110 | R13203 | ENGG. PHYSICS | 21 | 10 | 0 |
| 15A81A0110 | R13207 | MATHEMATICS-II (MM) | 18 | 8 | 0 |
| 15A81A0110 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 22 | 24 | 3 |
| 15A81A0110 | R13209 | ENGG. DRAWING | 26 | 12 | 0 |
| 15A81A0110 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 36 | 2 |
| 15A81A0110 | R13214 | ENGINEERING PHYSICS LAB | 16 | 36 | 2 |
| 15A81A0110 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 20 | 38 | 2 |
| 15A81A0111 | R13201 | ENGLISH-II | 25 | 27 | 3 |
| 15A81A0111 | R13202 | MATHEMATICS-III | 28 | 24 | 3 |
| 15A81A0111 | R13203 | ENGG. PHYSICS | 27 | 24 | 3 |
| 15A81A0111 | R13207 | MATHEMATICS-II (MM) | 26 | 28 | 3 |
| 15A81A0111 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 29 | 26 | 3 |
| 15A81A0111 | R13209 | ENGG. DRAWING | 30 | 7 | 0 |
| 15A81A0111 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 23 | 45 | 2 |
| 15A81A0111 | R13214 | ENGINEERING PHYSICS LAB | 18 | 36 | 2 |
| 15A81A0111 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 22 | 42 | 2 |
| 15A81A0112 | R13201 | ENGLISH-II | 22 | 27 | 3 |
| 15A81A0112 | R13202 | MATHEMATICS-III | 18 | 8 | 0 |
| 15A81A0112 | R13203 | ENGG. PHYSICS | 22 | 24 | 3 |
| 15A81A0112 | R13207 | MATHEMATICS-II (MM) | 18 | 32 | 3 |
| 15A81A0112 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 19 | 28 | 3 |
| 15A81A0112 | R13209 | ENGG. DRAWING | 29 | 10 | 0 |
| 15A81A0112 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 19 | 38 | 2 |
| 15A81A0112 | R13214 | ENGINEERING PHYSICS LAB | 20 | 40 | 2 |
| 15A81A0112 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 24 | 40 | 2 |
| 15A81A0113 | R13201 | ENGLISH-II | 24 | 33 | 3 |
| 15A81A0113 | R13202 | MATHEMATICS-III | 23 | 15 | 0 |
| 15A81A0113 | R13203 | ENGG. PHYSICS | 19 | 0 | 0 |
| 15A81A0113 | R13207 | MATHEMATICS-II (MM) | 21 | 0 | 0 |
| 15A81A0113 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 24 | 37 | 3 |
| 15A81A0113 | R13209 | ENGG. DRAWING | 29 | 4 | 0 |
| 15A81A0113 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 17 | 35 | 2 |
| 15A81A0113 | R13214 | ENGINEERING PHYSICS LAB | 15 | 30 | 2 |
| 15A81A0113 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 23 | 35 | 2 |
| 15A81A0114 | R13201 | ENGLISH-II | 24 | 44 | 3 |
| 15A81A0114 | R13202 | MATHEMATICS-III | 27 | 30 | 3 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A0114 | R13203 | ENGG. PHYSICS | 27 | 37 | 3 |
| 15A81A0114 | R13207 | MATHEMATICS-II (MM) | 24 | 38 | 3 |
| 15A81A0114 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 25 | 26 | 3 |
| 15A81A0114 | R13209 | ENGG. DRAWING | 29 | 26 | 3 |
| 15A81A0114 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 23 | 48 | 2 |
| 15A81A0114 | R13214 | ENGINEERING PHYSICS LAB | 18 | 39 | 2 |
| 15A81A0114 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 21 | 40 | 2 |
| 15A81A0115 | R13201 | ENGLISH-II | 26 | 31 | 3 |
| 15A81A0115 | R13202 | MATHEMATICS-III | 22 | 44 | 3 |
| 15A81A0115 | R13203 | ENGG. PHYSICS | 24 | 24 | 3 |
| 15A81A0115 | R13207 | MATHEMATICS-II (MM) | 23 | 28 | 3 |
| 15A81A0115 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 25 | 44 | 3 |
| 15A81A0115 | R13209 | ENGG. DRAWING | 29 | 54 | 3 |
| 15A81A0115 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 24 | 48 | 2 |
| 15A81A0115 | R13214 | ENGINEERING PHYSICS LAB | 24 | 47 | 2 |
| 15A81A0115 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 22 | 43 | 2 |
| 15A81A0116 | R13201 | ENGLISH-II | 27 | 43 | 3 |
| 15A81A0116 | R13202 | MATHEMATICS-III | 29 | 40 | 3 |
| 15A81A0116 | R13203 | ENGG. PHYSICS | 25 | 24 | 3 |
| 15A81A0116 | R13207 | MATHEMATICS-II (MM) | 24 | 50 | 3 |
| 15A81A0116 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 26 | 31 | 3 |
| 15A81A0116 | R13209 | ENGG. DRAWING | 30 | 36 | 3 |
| 15A81A0116 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 23 | 47 | 2 |
| 15A81A0116 | R13214 | ENGINEERING PHYSICS LAB | 20 | 48 | 2 |
| 15A81A0116 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 23 | 44 | 2 |
| 15A81A0117 | R13201 | ENGLISH-II | 20 | 32 | 3 |
| 15A81A0117 | R13202 | MATHEMATICS-III | 26 | 24 | 3 |
| 15A81A0117 | R13203 | ENGG. PHYSICS | 25 | 13 | 0 |
| 15A81A0117 | R13207 | MATHEMATICS-II (MM) | 19 | 12 | 0 |
| 15A81A0117 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 22 | 31 | 3 |
| 15A81A0117 | R13209 | ENGG. DRAWING | 27 | 24 | 3 |
| 15A81A0117 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 19 | 35 | 2 |
| 15A81A0117 | R13214 | ENGINEERING PHYSICS LAB | 20 | 34 | 2 |
| 15A81A0117 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 21 | 34 | 2 |
| 15A81A0118 | R13201 | ENGLISH-II | 27 | 44 | 3 |
| 15A81A0118 | R13202 | MATHEMATICS-III | 28 | 45 | 3 |
| 15A81A0118 | R13203 | ENGG. PHYSICS | 26 | 33 | 3 |
| 15A81A0118 | R13207 | MATHEMATICS-II (MM) | 25 | 27 | 3 |
| 15A81A0118 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 29 | 24 | 3 |
| 15A81A0118 | R13209 | ENGG. DRAWING | 29 | 24 | 3 |
| 15A81A0118 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 43 | 2 |
| 15A81A0118 | R13214 | ENGINEERING PHYSICS LAB | 22 | 40 | 2 |
| 15A81A0118 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 24 | 42 | 2 |
| 15A81A0119 | R13201 | ENGLISH-II | 22 | 29 | 3 |
| 15A81A0119 | R13202 | MATHEMATICS-III | 24 | 52 | 3 |
| 15A81A0119 | R13203 | ENGG. PHYSICS | 22 | 35 | 3 |
| 15A81A0119 | R13207 | MATHEMATICS-II (MM) | 27 | 46 | 3 |
| 15A81A0119 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 23 | 45 | 3 |
| 15A81A0119 | R13209 | ENGG. DRAWING | 28 | 48 | 3 |
| 15A81A0119 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 42 | 2 |
| 15A81A0119 | R13214 | ENGINEERING PHYSICS LAB | 17 | 35 | 2 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A0119 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 22 | 40 | 2 |
| 15A81A0120 | R13201 | ENGLISH-II | 22 | 31 | 3 |
| 15A81A0120 | R13202 | MATHEMATICS-III | 23 | 1 | 0 |
| 15A81A0120 | R13203 | ENGG. PHYSICS | 19 | 5 | 0 |
| 15A81A0120 | R13207 | MATHEMATICS-II (MM) | 18 | 5 | 0 |
| 15A81A0120 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 23 | 32 | 3 |
| 15A81A0120 | R13209 | ENGG. DRAWING | 28 | 3 | 0 |
| 15A81A0120 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 18 | 41 | 2 |
| 15A81A0120 | R13214 | ENGINEERING PHYSICS LAB | 17 | 40 | 2 |
| 15A81A0120 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 21 | 36 | 2 |
| 15A81A0121 | R13201 | ENGLISH-II | 23 | 45 | 3 |
| 15A81A0121 | R13202 | MATHEMATICS-III | 21 | 13 | 0 |
| 15A81A0121 | R13203 | ENGG. PHYSICS | 25 | 4 | 0 |
| 15A81A0121 | R13207 | MATHEMATICS-II (MM) | 18 | 5 | 0 |
| 15A81A0121 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 24 | 37 | 3 |
| 15A81A0121 | R13209 | ENGG. DRAWING | 29 | 0 | 0 |
| 15A81A0121 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 39 | 2 |
| 15A81A0121 | R13214 | ENGINEERING PHYSICS LAB | 14 | 35 | 2 |
| 15A81A0121 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 23 | 42 | 2 |
| 15A81A0122 | R13201 | ENGLISH-II | 23 | 31 | 3 |
| 15A81A0122 | R13202 | MATHEMATICS-III | 29 | 26 | 3 |
| 15A81A0122 | R13203 | ENGG. PHYSICS | 26 | 28 | 3 |
| 15A81A0122 | R13207 | MATHEMATICS-II (MM) | 21 | 15 | 0 |
| 15A81A0122 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 29 | 28 | 3 |
| 15A81A0122 | R13209 | ENGG. DRAWING | 29 | 42 | 3 |
| 15A81A0122 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 38 | 2 |
| 15A81A0122 | R13214 | ENGINEERING PHYSICS LAB | 20 | 40 | 2 |
| 15A81A0122 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 22 | 40 | 2 |
| 15A81A0123 | R13201 | ENGLISH-II | 27 | 42 | 3 |
| 15A81A0123 | R13202 | MATHEMATICS-III | 26 | 46 | 3 |
| 15A81A0123 | R13203 | ENGG. PHYSICS | 26 | 45 | 3 |
| 15A81A0123 | R13207 | MATHEMATICS-II (MM) | 23 | 39 | 3 |
| 15A81A0123 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 29 | 45 | 3 |
| 15A81A0123 | R13209 | ENGG. DRAWING | 30 | 33 | 3 |
| 15A81A0123 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 23 | 45 | 2 |
| 15A81A0123 | R13214 | ENGINEERING PHYSICS LAB | 23 | 46 | 2 |
| 15A81A0123 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 23 | 45 | 2 |
| 15A81A0124 | R13201 | ENGLISH-II | 24 | 42 | 3 |
| 15A81A0124 | R13202 | MATHEMATICS-III | 23 | 12 | 0 |
| 15A81A0124 | R13203 | ENGG. PHYSICS | 21 | 6 | 0 |
| 15A81A0124 | R13207 | MATHEMATICS-II (MM) | 19 | 45 | 3 |
| 15A81A0124 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 24 | 26 | 3 |
| 15A81A0124 | R13209 | ENGG. DRAWING | 28 | 24 | 3 |
| 15A81A0124 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 42 | 2 |
| 15A81A0124 | R13214 | ENGINEERING PHYSICS LAB | 19 | 39 | 2 |
| 15A81A0124 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 22 | 36 | 2 |
| 15A81A0125 | R13201 | ENGLISH-II | 21 | 27 | 3 |
| 15A81A0125 | R13202 | MATHEMATICS-III | 21 | 29 | 3 |
| 15A81A0125 | R13203 | ENGG. PHYSICS | 15 | 0 | 0 |
| 15A81A0125 | R13207 | MATHEMATICS-II (MM) | 18 | 8 | 0 |
| 15A81A0125 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 23 | 35 | 3 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A0125 | R13209 | ENGG. DRAWING | 30 | 4 | 0 |
| 15A81A0125 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 15 | 29 | 2 |
| 15A81A0125 | R13214 | ENGINEERING PHYSICS LAB | 14 | 30 | 2 |
| 15A81A0125 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 21 | 35 | 2 |
| 15A81A0126 | R13201 | ENGLISH-II | 24 | 46 | 3 |
| 15A81A0126 | R13202 | MATHEMATICS-III | 20 | 31 | 3 |
| 15A81A0126 | R13203 | ENGG. PHYSICS | 22 | 28 | 3 |
| 15A81A0126 | R13207 | MATHEMATICS-II (MM) | 23 | 5 | 0 |
| 15A81A0126 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 26 | 25 | 3 |
| 15A81A0126 | R13209 | ENGG. DRAWING | 30 | 31 | 3 |
| 15A81A0126 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 37 | 2 |
| 15A81A0126 | R13214 | ENGINEERING PHYSICS LAB | 21 | 44 | 2 |
| 15A81A0126 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 21 | 35 | 2 |
| 15A81A0127 | R13201 | ENGLISH-II | 27 | 39 | 3 |
| 15A81A0127 | R13202 | MATHEMATICS-III | 29 | 62 | 3 |
| 15A81A0127 | R13203 | ENGG. PHYSICS | 28 | 38 | 3 |
| 15A81A0127 | R13207 | MATHEMATICS-II (MM) | 27 | 57 | 3 |
| 15A81A0127 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 28 | 46 | 3 |
| 15A81A0127 | R13209 | ENGG. DRAWING | 30 | 69 | 3 |
| 15A81A0127 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 24 | 48 | 2 |
| 15A81A0127 | R13214 | ENGINEERING PHYSICS LAB | 25 | 49 | 2 |
| 15A81A0127 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 24 | 44 | 2 |
| 15A81A0128 | R13201 | ENGLISH-II | 26 | 38 | 3 |
| 15A81A0128 | R13202 | MATHEMATICS-III | 29 | 33 | 3 |
| 15A81A0128 | R13203 | ENGG. PHYSICS | 26 | 24 | 3 |
| 15A81A0128 | R13207 | MATHEMATICS-II (MM) | 25 | 52 | 3 |
| 15A81A0128 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 28 | 32 | 3 |
| 15A81A0128 | R13209 | ENGG. DRAWING | 30 | 56 | 3 |
| 15A81A0128 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 40 | 2 |
| 15A81A0128 | R13214 | ENGINEERING PHYSICS LAB | 22 | 49 | 2 |
| 15A81A0128 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 22 | 44 | 2 |
| 15A81A0129 | R13201 | ENGLISH-II | 21 | 34 | 3 |
| 15A81A0129 | R13202 | MATHEMATICS-III | 29 | 24 | 3 |
| 15A81A0129 | R13203 | ENGG. PHYSICS | 25 | 13 | 0 |
| 15A81A0129 | R13207 | MATHEMATICS-II (MM) | 20 | 24 | 3 |
| 15A81A0129 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 26 | 30 | 3 |
| 15A81A0129 | R13209 | ENGG. DRAWING | 25 | 10 | 0 |
| 15A81A0129 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 18 | 36 | 2 |
| 15A81A0129 | R13214 | ENGINEERING PHYSICS LAB | 14 | 30 | 2 |
| 15A81A0129 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 21 | 35 | 2 |
| 15A81A0130 | R13201 | ENGLISH-II | 23 | 44 | 3 |
| 15A81A0130 | R13202 | MATHEMATICS-III | 26 | 39 | 3 |
| 15A81A0130 | R13203 | ENGG. PHYSICS | 19 | 28 | 3 |
| 15A81A0130 | R13207 | MATHEMATICS-II (MM) | 21 | 50 | 3 |
| 15A81A0130 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 28 | 25 | 3 |
| 15A81A0130 | R13209 | ENGG. DRAWING | 30 | 24 | 3 |
| 15A81A0130 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 42 | 2 |
| 15A81A0130 | R13214 | ENGINEERING PHYSICS LAB | 20 | 40 | 2 |
| 15A81A0130 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 22 | 40 | 2 |
| 15A81A0131 | R13201 | ENGLISH-II | 26 | 43 | 3 |
| 15A81A0131 | R13202 | MATHEMATICS-III | 29 | 52 | 3 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A0131 | R13203 | ENGG. PHYSICS | 29 | 59 | 3 |
| 15A81A0131 | R13207 | MATHEMATICS-II (MM) | 21 | 42 | 3 |
| 15A81A0131 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 29 | 38 | 3 |
| 15A81A0131 | R13209 | ENGG. DRAWING | 30 | 37 | 3 |
| 15A81A0131 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 46 | 2 |
| 15A81A0131 | R13214 | ENGINEERING PHYSICS LAB | 23 | 48 | 2 |
| 15A81A0131 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 25 | 47 | 2 |
| 15A81A0132 | R13201 | ENGLISH-II | 28 | 35 | 3 |
| 15A81A0132 | R13202 | MATHEMATICS-III | 30 | 28 | 3 |
| 15A81A0132 | R13203 | ENGG. PHYSICS | 27 | 35 | 3 |
| 15A81A0132 | R13207 | MATHEMATICS-II (MM) | 29 | 51 | 3 |
| 15A81A0132 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 29 | 35 | 3 |
| 15A81A0132 | R13209 | ENGG. DRAWING | 30 | 70 | 3 |
| 15A81A0132 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 24 | 48 | 2 |
| 15A81A0132 | R13214 | ENGINEERING PHYSICS LAB | 25 | 50 | 2 |
| 15A81A0132 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 24 | 49 | 2 |
| 15A81A0133 | R13201 | ENGLISH-II | 22 | 37 | 3 |
| 15A81A0133 | R13202 | MATHEMATICS-III | 21 | 25 | 3 |
| 15A81A0133 | R13203 | ENGG. PHYSICS | 24 | 7 | 0 |
| 15A81A0133 | R13207 | MATHEMATICS-II (MM) | 20 | 29 | 3 |
| 15A81A0133 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 21 | 40 | 3 |
| 15A81A0133 | R13209 | ENGG. DRAWING | 29 | 25 | 3 |
| 15A81A0133 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 18 | 40 | 2 |
| 15A81A0133 | R13214 | ENGINEERING PHYSICS LAB | 20 | 40 | 2 |
| 15A81A0133 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 23 | 37 | 2 |
| 15A81A0134 | R13201 | ENGLISH-II | 26 | 47 | 3 |
| 15A81A0134 | R13202 | MATHEMATICS-III | 29 | 38 | 3 |
| 15A81A0134 | R13203 | ENGG. PHYSICS | 27 | 38 | 3 |
| 15A81A0134 | R13207 | MATHEMATICS-II (MM) | 20 | 37 | 3 |
| 15A81A0134 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 29 | 36 | 3 |
| 15A81A0134 | R13209 | ENGG. DRAWING | 30 | 40 | 3 |
| 15A81A0134 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 47 | 2 |
| 15A81A0134 | R13214 | ENGINEERING PHYSICS LAB | 25 | 50 | 2 |
| 15A81A0134 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 22 | 44 | 2 |
| 15A81A0135 | R13201 | ENGLISH-II | 22 | 28 | 3 |
| 15A81A0135 | R13202 | MATHEMATICS-III | 24 | 40 | 3 |
| 15A81A0135 | R13203 | ENGG. PHYSICS | 26 | 24 | 3 |
| 15A81A0135 | R13207 | MATHEMATICS-II (MM) | 21 | 31 | 3 |
| 15A81A0135 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 24 | 43 | 3 |
| 15A81A0135 | R13209 | ENGG. DRAWING | 30 | 24 | 3 |
| 15A81A0135 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 19 | 40 | 2 |
| 15A81A0135 | R13214 | ENGINEERING PHYSICS LAB | 16 | 32 | 2 |
| 15A81A0135 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 21 | 41 | 2 |
| 15A81A0136 | R13201 | ENGLISH-II | 20 | 33 | 3 |
| 15A81A0136 | R13202 | MATHEMATICS-III | 18 | 8 | 0 |
| 15A81A0136 | R13203 | ENGG. PHYSICS | 21 | 1 | 0 |
| 15A81A0136 | R13207 | MATHEMATICS-II (MM) | 23 | 34 | 3 |
| 15A81A0136 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 26 | 31 | 3 |
| 15A81A0136 | R13209 | ENGG. DRAWING | 27 | 10 | 0 |
| 15A81A0136 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 18 | 38 | 2 |
| 15A81A0136 | R13214 | ENGINEERING PHYSICS LAB | 19 | 40 | 2 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A0136 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 23 | 30 | 2 |
| 15A81A0137 | R13201 | ENGLISH-II | 18 | 32 | 3 |
| 15A81A0137 | R13202 | MATHEMATICS-III | 21 | 13 | 0 |
| 15A81A0137 | R13203 | ENGG. PHYSICS | 20 | 8 | 0 |
| 15A81A0137 | R13207 | MATHEMATICS-II (MM) | 17 | 31 | 3 |
| 15A81A0137 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 17 | 31 | 3 |
| 15A81A0137 | R13209 | ENGG. DRAWING | 26 | 4 | 0 |
| 15A81A0137 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 18 | 33 | 2 |
| 15A81A0137 | R13214 | ENGINEERING PHYSICS LAB | 15 | 30 | 2 |
| 15A81A0137 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 22 | 25 | 2 |
| 15A81A0138 | R13201 | ENGLISH-II | 24 | 50 | 3 |
| 15A81A0138 | R13202 | MATHEMATICS-III | 27 | 25 | 3 |
| 15A81A0138 | R13203 | ENGG. PHYSICS | 21 | 32 | 3 |
| 15A81A0138 | R13207 | MATHEMATICS-II (MM) | 19 | 45 | 3 |
| 15A81A0138 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 23 | 32 | 3 |
| 15A81A0138 | R13209 | ENGG. DRAWING | 28 | 24 | 3 |
| 15A81A0138 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 41 | 2 |
| 15A81A0138 | R13214 | ENGINEERING PHYSICS LAB | 22 | 44 | 2 |
| 15A81A0138 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 21 | 41 | 2 |
| 15A81A0139 | R13201 | ENGLISH-II | 21 | 15 | 0 |
| 15A81A0139 | R13202 | MATHEMATICS-III | 18 | 27 | 3 |
| 15A81A0139 | R13203 | ENGG. PHYSICS | 23 | 5 | 0 |
| 15A81A0139 | R13207 | MATHEMATICS-II (MM) | 18 | 3 | 0 |
| 15A81A0139 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 25 | 29 | 3 |
| 15A81A0139 | R13209 | ENGG. DRAWING | 28 | 6 | 0 |
| 15A81A0139 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 17 | 38 | 2 |
| 15A81A0139 | R13214 | ENGINEERING PHYSICS LAB | 17 | 35 | 2 |
| 15A81A0139 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 23 | 30 | 2 |
| 15A81A0140 | R13201 | ENGLISH-II | 26 | 32 | 3 |
| 15A81A0140 | R13202 | MATHEMATICS-III | 29 | 65 | 3 |
| 15A81A0140 | R13203 | ENGG. PHYSICS | 24 | 25 | 3 |
| 15A81A0140 | R13207 | MATHEMATICS-II (MM) | 28 | 48 | 3 |
| 15A81A0140 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 28 | 37 | 3 |
| 15A81A0140 | R13209 | ENGG. DRAWING | 30 | 47 | 3 |
| 15A81A0140 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 45 | 2 |
| 15A81A0140 | R13214 | ENGINEERING PHYSICS LAB | 22 | 44 | 2 |
| 15A81A0140 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 21 | 45 | 2 |
| 15A81A0141 | R13201 | ENGLISH-II | 26 | 51 | 3 |
| 15A81A0141 | R13202 | MATHEMATICS-III | 27 | 27 | 3 |
| 15A81A0141 | R13203 | ENGG. PHYSICS | 26 | 24 | 3 |
| 15A81A0141 | R13207 | MATHEMATICS-II (MM) | 24 | 53 | 3 |
| 15A81A0141 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 27 | 41 | 3 |
| 15A81A0141 | R13209 | ENGG. DRAWING | 29 | 43 | 3 |
| 15A81A0141 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 24 | 44 | 2 |
| 15A81A0141 | R13214 | ENGINEERING PHYSICS LAB | 18 | 49 | 2 |
| 15A81A0141 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 23 | 46 | 2 |
| 15A81A0142 | R13201 | ENGLISH-II | 23 | 42 | 3 |
| 15A81A0142 | R13202 | MATHEMATICS-III | 18 | 9 | 0 |
| 15A81A0142 | R13203 | ENGG. PHYSICS | 20 | 3 | 0 |
| 15A81A0142 | R13207 | MATHEMATICS-II (MM) | 22 | 9 | 0 |
| 15A81A0142 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 25 | 17 | 0 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A0142 | R13209 | ENGG. DRAWING | 28 | 8 | 0 |
| 15A81A0142 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 17 | 37 | 2 |
| 15A81A0142 | R13214 | ENGINEERING PHYSICS LAB | 19 | 40 | 2 |
| 15A81A0142 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 23 | 36 | 2 |
| 15A81A0143 | R13201 | ENGLISH-II | 26 | 39 | 3 |
| 15A81A0143 | R13202 | MATHEMATICS-III | 25 | 44 | 3 |
| 15A81A0143 | R13203 | ENGG. PHYSICS | 25 | 35 | 3 |
| 15A81A0143 | R13207 | MATHEMATICS-II (MM) | 19 | 48 | 3 |
| 15A81A0143 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 28 | 50 | 3 |
| 15A81A0143 | R13209 | ENGG. DRAWING | 29 | 33 | 3 |
| 15A81A0143 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 42 | 2 |
| 15A81A0143 | R13214 | ENGINEERING PHYSICS LAB | 24 | 49 | 2 |
| 15A81A0143 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 23 | 46 | 2 |
| 15A81A0144 | R13201 | ENGLISH-II | 27 | 40 | 3 |
| 15A81A0144 | R13202 | MATHEMATICS-III | 21 | 2 | 0 |
| 15A81A0144 | R13203 | ENGG. PHYSICS | 25 | 6 | 0 |
| 15A81A0144 | R13207 | MATHEMATICS-II (MM) | 15 | 13 | 0 |
| 15A81A0144 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 25 | 31 | 3 |
| 15A81A0144 | R13209 | ENGG. DRAWING | 27 | 4 | 0 |
| 15A81A0144 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 23 | 48 | 2 |
| 15A81A0144 | R13214 | ENGINEERING PHYSICS LAB | 21 | 42 | 2 |
| 15A81A0144 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 22 | 42 | 2 |
| 15A81A0145 | R13201 | ENGLISH-II | 23 | 24 | 3 |
| 15A81A0145 | R13202 | MATHEMATICS-III | 19 | 11 | 0 |
| 15A81A0145 | R13203 | ENGG. PHYSICS | 17 | 10 | 0 |
| 15A81A0145 | R13207 | MATHEMATICS-II (MM) | 23 | 18 | 0 |
| 15A81A0145 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 19 | 29 | 3 |
| 15A81A0145 | R13209 | ENGG. DRAWING | 29 | 31 | 3 |
| 15A81A0145 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 18 | 31 | 2 |
| 15A81A0145 | R13214 | ENGINEERING PHYSICS LAB | 14 | 30 | 2 |
| 15A81A0145 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 22 | 25 | 2 |
| 15A81A0146 | R13201 | ENGLISH-II | 23 | 38 | 3 |
| 15A81A0146 | R13202 | MATHEMATICS-III | 24 | 26 | 3 |
| 15A81A0146 | R13203 | ENGG. PHYSICS | 16 | 6 | 0 |
| 15A81A0146 | R13207 | MATHEMATICS-II (MM) | 18 | 11 | 0 |
| 15A81A0146 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 23 | 26 | 3 |
| 15A81A0146 | R13209 | ENGG. DRAWING | 26 | 9 | 0 |
| 15A81A0146 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 40 | 2 |
| 15A81A0146 | R13214 | ENGINEERING PHYSICS LAB | 14 | 35 | 2 |
| 15A81A0146 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 22 | 34 | 2 |
| 15A81A0147 | R13201 | ENGLISH-II | 24 | 32 | 3 |
| 15A81A0147 | R13202 | MATHEMATICS-III | 23 | 30 | 3 |
| 15A81A0147 | R13203 | ENGG. PHYSICS | 25 | 8 | 0 |
| 15A81A0147 | R13207 | MATHEMATICS-II (MM) | 22 | 12 | 0 |
| 15A81A0147 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 24 | 50 | 3 |
| 15A81A0147 | R13209 | ENGG. DRAWING | 30 | 6 | 0 |
| 15A81A0147 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 42 | 2 |
| 15A81A0147 | R13214 | ENGINEERING PHYSICS LAB | 20 | 40 | 2 |
| 15A81A0147 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 22 | 40 | 2 |
| 15A81A0148 | R13201 | ENGLISH-II | 22 | 28 | 3 |
| 15A81A0148 | R13202 | MATHEMATICS-III | 25 | 47 | 3 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A0148 | R13203 | ENGG. PHYSICS | 23 | 2 | 0 |
| 15A81A0148 | R13207 | MATHEMATICS-II (MM) | 25 | 29 | 3 |
| 15A81A0148 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 20 | 32 | 3 |
| 15A81A0148 | R13209 | ENGG. DRAWING | 28 | 56 | 3 |
| 15A81A0148 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 18 | 35 | 2 |
| 15A81A0148 | R13214 | ENGINEERING PHYSICS LAB | 18 | 40 | 2 |
| 15A81A0148 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 23 | 25 | 2 |
| 15A81A0149 | R13201 | ENGLISH-II | 27 | 46 | 3 |
| 15A81A0149 | R13202 | MATHEMATICS-III | 28 | 37 | 3 |
| 15A81A0149 | R13203 | ENGG. PHYSICS | 30 | 31 | 3 |
| 15A81A0149 | R13207 | MATHEMATICS-II (MM) | 28 | 48 | 3 |
| 15A81A0149 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 30 | 49 | 3 |
| 15A81A0149 | R13209 | ENGG. DRAWING | 30 | 33 | 3 |
| 15A81A0149 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 23 | 46 | 2 |
| 15A81A0149 | R13214 | ENGINEERING PHYSICS LAB | 25 | 49 | 2 |
| 15A81A0149 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 24 | 46 | 2 |
| 15A81A0150 | R13201 | ENGLISH-II | 23 | 34 | 3 |
| 15A81A0150 | R13202 | MATHEMATICS-III | 28 | 45 | 3 |
| 15A81A0150 | R13203 | ENGG. PHYSICS | 22 | 29 | 3 |
| 15A81A0150 | R13207 | MATHEMATICS-II (MM) | 22 | 33 | 3 |
| 15A81A0150 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 24 | 24 | 3 |
| 15A81A0150 | R13209 | ENGG. DRAWING | 30 | 37 | 3 |
| 15A81A0150 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 18 | 38 | 2 |
| 15A81A0150 | R13214 | ENGINEERING PHYSICS LAB | 21 | 30 | 2 |
| 15A81A0150 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 21 | 30 | 2 |
| 15A81A0151 | R13201 | ENGLISH-II | 24 | 25 | 3 |
| 15A81A0151 | R13202 | MATHEMATICS-III | 22 | 33 | 3 |
| 15A81A0151 | R13203 | ENGG. PHYSICS | 22 | 24 | 3 |
| 15A81A0151 | R13207 | MATHEMATICS-II (MM) | 17 | 15 | 0 |
| 15A81A0151 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 24 | 38 | 3 |
| 15A81A0151 | R13209 | ENGG. DRAWING | 28 | 11 | 0 |
| 15A81A0151 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 18 | 40 | 2 |
| 15A81A0151 | R13214 | ENGINEERING PHYSICS LAB | 18 | 42 | 2 |
| 15A81A0151 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 19 | 39 | 2 |
| 15A81A0152 | R13201 | ENGLISH-II | 25 | 36 | 3 |
| 15A81A0152 | R13202 | MATHEMATICS-III | 28 | 50 | 3 |
| 15A81A0152 | R13203 | ENGG. PHYSICS | 23 | 35 | 3 |
| 15A81A0152 | R13207 | MATHEMATICS-II (MM) | 28 | 43 | 3 |
| 15A81A0152 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 26 | 32 | 3 |
| 15A81A0152 | R13209 | ENGG. DRAWING | 28 | 38 | 3 |
| 15A81A0152 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 40 | 2 |
| 15A81A0152 | R13214 | ENGINEERING PHYSICS LAB | 22 | 40 | 2 |
| 15A81A0152 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 22 | 30 | 2 |
| 15A81A0153 | R13201 | ENGLISH-II | 26 | 52 | 3 |
| 15A81A0153 | R13202 | MATHEMATICS-III | 25 | 32 | 3 |
| 15A81A0153 | R13203 | ENGG. PHYSICS | 28 | 26 | 3 |
| 15A81A0153 | R13207 | MATHEMATICS-II (MM) | 25 | 40 | 3 |
| 15A81A0153 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 28 | 48 | 3 |
| 15A81A0153 | R13209 | ENGG. DRAWING | 30 | 45 | 3 |
| 15A81A0153 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 24 | 45 | 2 |
| 15A81A0153 | R13214 | ENGINEERING PHYSICS LAB | 18 | 50 | 2 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A0153 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 24 | 45 | 2 |
| 15A81A0154 | R13201 | ENGLISH-II | 26 | 54 | 3 |
| 15A81A0154 | R13202 | MATHEMATICS-III | 28 | 45 | 3 |
| 15A81A0154 | R13203 | ENGG. PHYSICS | 23 | 28 | 3 |
| 15A81A0154 | R13207 | MATHEMATICS-II (MM) | 28 | 56 | 3 |
| 15A81A0154 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 28 | 32 | 3 |
| 15A81A0154 | R13209 | ENGG. DRAWING | 27 | 50 | 3 |
| 15A81A0154 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 43 | 2 |
| 15A81A0154 | R13214 | ENGINEERING PHYSICS LAB | 21 | 45 | 2 |
| 15A81A0154 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 24 | 44 | 2 |
| 15A81A0155 | R13201 | ENGLISH-II | 23 | 25 | 3 |
| 15A81A0155 | R13202 | MATHEMATICS-III | 16 | 11 | 0 |
| 15A81A0155 | R13203 | ENGG. PHYSICS | 19 | 7 | 0 |
| 15A81A0155 | R13207 | MATHEMATICS-II (MM) | 15 | 15 | 0 |
| 15A81A0155 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 27 | 25 | 3 |
| 15A81A0155 | R13209 | ENGG. DRAWING | 26 | 40 | 3 |
| 15A81A0155 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 41 | 2 |
| 15A81A0155 | R13214 | ENGINEERING PHYSICS LAB | 17 | 34 | 2 |
| 15A81A0155 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 23 | 40 | 2 |
| 15A81A0156 | R13201 | ENGLISH-II | 23 | 36 | 3 |
| 15A81A0156 | R13202 | MATHEMATICS-III | 29 | 29 | 3 |
| 15A81A0156 | R13203 | ENGG. PHYSICS | 23 | 8 | 0 |
| 15A81A0156 | R13207 | MATHEMATICS-II (MM) | 25 | 36 | 3 |
| 15A81A0156 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 27 | 31 | 3 |
| 15A81A0156 | R13209 | ENGG. DRAWING | 27 | 31 | 3 |
| 15A81A0156 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 39 | 2 |
| 15A81A0156 | R13214 | ENGINEERING PHYSICS LAB | 23 | 46 | 2 |
| 15A81A0156 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 23 | 44 | 2 |
| 15A81A0157 | R13201 | ENGLISH-II | 26 | 42 | 3 |
| 15A81A0157 | R13202 | MATHEMATICS-III | 29 | 46 | 3 |
| 15A81A0157 | R13203 | ENGG. PHYSICS | 21 | 35 | 3 |
| 15A81A0157 | R13207 | MATHEMATICS-II (MM) | 29 | 62 | 3 |
| 15A81A0157 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 26 | 52 | 3 |
| 15A81A0157 | R13209 | ENGG. DRAWING | 28 | 38 | 3 |
| 15A81A0157 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 48 | 2 |
| 15A81A0157 | R13214 | ENGINEERING PHYSICS LAB | 23 | 46 | 2 |
| 15A81A0157 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 24 | 46 | 2 |
| 15A81A0201 | R13201 | ENGLISH-II | 27 | 54 | 3 |
| 15A81A0201 | R13202 | MATHEMATICS-III | 27 | 49 | 3 |
| 15A81A0201 | R13204 | ENGG. CHEMISTRY | 23 | 45 | 3 |
| 15A81A0201 | R13205 | C PROGRAMMING | 24 | 29 | 3 |
| 15A81A0201 | R13210 | ENGG. MECHANICS | 29 | 32 | 3 |
| 15A81A0201 | R13212 | ELECTRICAL CIRCUITS ANALYSIS-I | 29 | 39 | 3 |
| 15A81A0201 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 24 | 48 | 2 |
| 15A81A0201 | R13217 | ENGINEERING CHEMISTRY LAB | 23 | 47 | 2 |
| 15A81A0201 | R13218 | C PROGRAMMING LAB | 20 | 45 | 2 |
| 15A81A0202 | R13201 | ENGLISH-II | 19 | 45 | 3 |
| 15A81A0202 | R13202 | MATHEMATICS-III | 14 | 26 | 3 |
| 15A81A0202 | R13204 | ENGG. CHEMISTRY | 11 | 5 | 0 |
| 15A81A0202 | R13205 | C PROGRAMMING | 15 | 15 | 0 |
| 15A81A0202 | R13210 | ENGG. MECHANICS | 19 | 29 | 3 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A0202 | R13212 | ELECTRICAL CIRCUITS ANALYSIS-I | 21 | 13 | 0 |
| 15A81A0202 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 19 | 35 | 2 |
| 15A81A0202 | R13217 | ENGINEERING CHEMISTRY LAB | 17 | 30 | 2 |
| 15A81A0202 | R13218 | C PROGRAMMING LAB | 16 | 40 | 2 |
| 15A81A0203 | R13201 | ENGLISH-II | 26 | 40 | 3 |
| 15A81A0203 | R13202 | MATHEMATICS-III | 26 | 31 | 3 |
| 15A81A0203 | R13204 | ENGG. CHEMISTRY | 15 | 50 | 3 |
| 15A81A0203 | R13205 | C PROGRAMMING | 23 | 24 | 3 |
| 15A81A0203 | R13210 | ENGG. MECHANICS | 20 | 35 | 3 |
| 15A81A0203 | R13212 | ELECTRICAL CIRCUITS ANALYSIS-I | 24 | 25 | 3 |
| 15A81A0203 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 23 | 45 | 2 |
| 15A81A0203 | R13217 | ENGINEERING CHEMISTRY LAB | 21 | 42 | 2 |
| 15A81A0203 | R13218 | C PROGRAMMING LAB | 17 | 39 | 2 |
| 15A81A0204 | R13201 | ENGLISH-II | 22 | 36 | 3 |
| 15A81A0204 | R13202 | MATHEMATICS-III | 19 | 16 | 0 |
| 15A81A0204 | R13204 | ENGG. CHEMISTRY | 15 | 10 | 0 |
| 15A81A0204 | R13205 | C PROGRAMMING | 19 | 7 | 0 |
| 15A81A0204 | R13210 | ENGG. MECHANICS | 22 | 6 | 0 |
| 15A81A0204 | R13212 | ELECTRICAL CIRCUITS ANALYSIS-I | 18 | 0 | 0 |
| 15A81A0204 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 17 | 34 | 2 |
| 15A81A0204 | R13217 | ENGINEERING CHEMISTRY LAB | 16 | 35 | 2 |
| 15A81A0204 | R13218 | C PROGRAMMING LAB | 14 | 38 | 2 |
| 15A81A0205 | R13201 | ENGLISH-II | 26 | 43 | 3 |
| 15A81A0205 | R13202 | MATHEMATICS-III | 29 | 30 | 3 |
| 15A81A0205 | R13204 | ENGG. CHEMISTRY | 22 | 48 | 3 |
| 15A81A0205 | R13205 | C PROGRAMMING | 24 | 47 | 3 |
| 15A81A0205 | R13210 | ENGG. MECHANICS | 26 | 46 | 3 |
| 15A81A0205 | R13212 | ELECTRICAL CIRCUITS ANALYSIS-I | 26 | 9 | 0 |
| 15A81A0205 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 24 | 48 | 2 |
| 15A81A0205 | R13217 | ENGINEERING CHEMISTRY LAB | 23 | 48 | 2 |
| 15A81A0205 | R13218 | C PROGRAMMING LAB | 19 | 46 | 2 |
| 15A81A0206 | R13201 | ENGLISH-II | 22 | 42 | 3 |
| 15A81A0206 | R13202 | MATHEMATICS-III | 20 | 36 | 3 |
| 15A81A0206 | R13204 | ENGG. CHEMISTRY | 12 | 9 | 0 |
| 15A81A0206 | R13205 | C PROGRAMMING | 17 | 9 | 0 |
| 15A81A0206 | R13210 | ENGG. MECHANICS | 16 | 24 | 3 |
| 15A81A0206 | R13212 | ELECTRICAL CIRCUITS ANALYSIS-I | 23 | 34 | 3 |
| 15A81A0206 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 40 | 2 |
| 15A81A0206 | R13217 | ENGINEERING CHEMISTRY LAB | 16 | 35 | 2 |
| 15A81A0206 | R13218 | C PROGRAMMING LAB | 17 | 39 | 2 |
| 15A81A0207 | R13201 | ENGLISH-II | 20 | 26 | 3 |
| 15A81A0207 | R13202 | MATHEMATICS-III | 16 | 26 | 3 |
| 15A81A0207 | R13204 | ENGG. CHEMISTRY | 13 | 27 | 3 |
| 15A81A0207 | R13205 | C PROGRAMMING | 20 | 20 | 0 |
| 15A81A0207 | R13210 | ENGG. MECHANICS | 19 | 34 | 3 |
| 15A81A0207 | R13212 | ELECTRICAL CIRCUITS ANALYSIS-I | 20 | 24 | 3 |
| 15A81A0207 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 42 | 2 |
| 15A81A0207 | R13217 | ENGINEERING CHEMISTRY LAB | 21 | 38 | 2 |
| 15A81A0207 | R13218 | C PROGRAMMING LAB | 17 | 41 | 2 |
| 15A81A0208 | R13201 | ENGLISH-II | 22 | 49 | 3 |
| 15A81A0208 | R13202 | MATHEMATICS-III | 20 | 17 | 0 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A0208 | R13204 | ENGG. CHEMISTRY | 13 | 18 | 0 |
| 15A81A0208 | R13205 | C PROGRAMMING | 21 | 30 | 3 |
| 15A81A0208 | R13210 | ENGG. MECHANICS | 20 | 24 | 3 |
| 15A81A0208 | R13212 | ELECTRICAL CIRCUITS ANALYSIS-I | 22 | 0 | 0 |
| 15A81A0208 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 44 | 2 |
| 15A81A0208 | R13217 | ENGINEERING CHEMISTRY LAB | 24 | 49 | 2 |
| 15A81A0208 | R13218 | C PROGRAMMING LAB | 17 | 38 | 2 |
| 15A81A0209 | R13201 | ENGLISH-II | 20 | 37 | 3 |
| 15A81A0209 | R13202 | MATHEMATICS-III | 23 | 35 | 3 |
| 15A81A0209 | R13204 | ENGG. CHEMISTRY | 15 | 25 | 3 |
| 15A81A0209 | R13205 | C PROGRAMMING | 21 | 27 | 3 |
| 15A81A0209 | R13210 | ENGG. MECHANICS | 16 | 9 | 0 |
| 15A81A0209 | R13212 | ELECTRICAL CIRCUITS ANALYSIS-I | 19 | 2 | 0 |
| 15A81A0209 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 42 | 2 |
| 15A81A0209 | R13217 | ENGINEERING CHEMISTRY LAB | 18 | 35 | 2 |
| 15A81A0209 | R13218 | C PROGRAMMING LAB | 16 | 40 | 2 |
| 15A81A0210 | R13201 | ENGLISH-II | 23 | 24 | 3 |
| 15A81A0210 | R13202 | MATHEMATICS-III | 25 | 35 | 3 |
| 15A81A0210 | R13204 | ENGG. CHEMISTRY | 21 | 15 | 0 |
| 15A81A0210 | R13205 | C PROGRAMMING | 18 | 24 | 3 |
| 15A81A0210 | R13210 | ENGG. MECHANICS | 20 | 24 | 3 |
| 15A81A0210 | R13212 | ELECTRICAL CIRCUITS ANALYSIS-I | 22 | 8 | 0 |
| 15A81A0210 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 17 | 35 | 2 |
| 15A81A0210 | R13217 | ENGINEERING CHEMISTRY LAB | 16 | 36 | 2 |
| 15A81A0210 | R13218 | C PROGRAMMING LAB | 12 | 37 | 2 |
| 15A81A0211 | R13201 | ENGLISH-II | 21 | 19 | 0 |
| 15A81A0211 | R13202 | MATHEMATICS-III | 17 | 10 | 0 |
| 15A81A0211 | R13204 | ENGG. CHEMISTRY | 12 | 15 | 0 |
| 15A81A0211 | R13205 | C PROGRAMMING | 16 | 10 | 0 |
| 15A81A0211 | R13210 | ENGG. MECHANICS | 15 | 12 | 0 |
| 15A81A0211 | R13212 | ELECTRICAL CIRCUITS ANALYSIS-I | 17 | 1 | 0 |
| 15A81A0211 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 16 | 33 | 2 |
| 15A81A0211 | R13217 | ENGINEERING CHEMISTRY LAB | 16 | 28 | 2 |
| 15A81A0211 | R13218 | C PROGRAMMING LAB | 15 | 35 | 2 |
| 15A81A0212 | R13201 | ENGLISH-II | 21 | 31 | 3 |
| 15A81A0212 | R13202 | MATHEMATICS-III | 28 | 45 | 3 |
| 15A81A0212 | R13204 | ENGG. CHEMISTRY | 15 | 38 | 3 |
| 15A81A0212 | R13205 | C PROGRAMMING | 20 | 28 | 3 |
| 15A81A0212 | R13210 | ENGG. MECHANICS | 25 | 24 | 3 |
| 15A81A0212 | R13212 | ELECTRICAL CIRCUITS ANALYSIS-I | 22 | 6 | 0 |
| 15A81A0212 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 40 | 2 |
| 15A81A0212 | R13217 | ENGINEERING CHEMISTRY LAB | 23 | 43 | 2 |
| 15A81A0212 | R13218 | C PROGRAMMING LAB | 16 | 38 | 2 |
| 15A81A0213 | R13201 | ENGLISH-II | 24 | 32 | 3 |
| 15A81A0213 | R13202 | MATHEMATICS-III | 28 | 44 | 3 |
| 15A81A0213 | R13204 | ENGG. CHEMISTRY | 21 | 30 | 3 |
| 15A81A0213 | R13205 | C PROGRAMMING | 24 | 29 | 3 |
| 15A81A0213 | R13210 | ENGG. MECHANICS | 26 | 36 | 3 |
| 15A81A0213 | R13212 | ELECTRICAL CIRCUITS ANALYSIS-I | 24 | 8 | 0 |
| 15A81A0213 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 40 | 2 |
| 15A81A0213 | R13217 | ENGINEERING CHEMISTRY LAB | 22 | 40 | 2 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A0213 | R13218 | C PROGRAMMING LAB | 16 | 47 | 2 |
| 15A81A0214 | R13201 | ENGLISH-II | 27 | 48 | 3 |
| 15A81A0214 | R13202 | MATHEMATICS-III | 28 | 50 | 3 |
| 15A81A0214 | R13204 | ENGG. CHEMISTRY | 18 | 27 | 3 |
| 15A81A0214 | R13205 | C PROGRAMMING | 23 | 24 | 3 |
| 15A81A0214 | R13210 | ENGG. MECHANICS | 29 | 24 | 3 |
| 15A81A0214 | R13212 | ELECTRICAL CIRCUITS ANALYSIS-I | 22 | 30 | 3 |
| 15A81A0214 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 24 | 48 | 2 |
| 15A81A0214 | R13217 | ENGINEERING CHEMISTRY LAB | 23 | 43 | 2 |
| 15A81A0214 | R13218 | C PROGRAMMING LAB | 17 | 42 | 2 |
| 15A81A0215 | R13201 | ENGLISH-II | 24 | 24 | 3 |
| 15A81A0215 | R13202 | MATHEMATICS-III | 24 | 51 | 3 |
| 15A81A0215 | R13204 | ENGG. CHEMISTRY | 15 | 32 | 3 |
| 15A81A0215 | R13205 | C PROGRAMMING | 20 | 24 | 3 |
| 15A81A0215 | R13210 | ENGG. MECHANICS | 28 | 24 | 3 |
| 15A81A0215 | R13212 | ELECTRICAL CIRCUITS ANALYSIS-I | 22 | 35 | 3 |
| 15A81A0215 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 39 | 2 |
| 15A81A0215 | R13217 | ENGINEERING CHEMISTRY LAB | 21 | 35 | 2 |
| 15A81A0215 | R13218 | C PROGRAMMING LAB | 16 | 45 | 2 |
| 15A81A0216 | R13201 | ENGLISH-II | 27 | 43 | 3 |
| 15A81A0216 | R13202 | MATHEMATICS-III | 30 | 68 | 3 |
| 15A81A0216 | R13204 | ENGG. CHEMISTRY | 27 | 57 | 3 |
| 15A81A0216 | R13205 | C PROGRAMMING | 27 | 33 | 3 |
| 15A81A0216 | R13210 | ENGG. MECHANICS | 30 | 33 | 3 |
| 15A81A0216 | R13212 | ELECTRICAL CIRCUITS ANALYSIS-I | 29 | 67 | 3 |
| 15A81A0216 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 43 | 2 |
| 15A81A0216 | R13217 | ENGINEERING CHEMISTRY LAB | 20 | 41 | 2 |
| 15A81A0216 | R13218 | C PROGRAMMING LAB | 22 | 44 | 2 |
| 15A81A0217 | R13201 | ENGLISH-II | 23 | 34 | 3 |
| 15A81A0217 | R13202 | MATHEMATICS-III | 28 | 43 | 3 |
| 15A81A0217 | R13204 | ENGG. CHEMISTRY | 19 | 29 | 3 |
| 15A81A0217 | R13205 | C PROGRAMMING | 24 | 28 | 3 |
| 15A81A0217 | R13210 | ENGG. MECHANICS | 29 | 24 | 3 |
| 15A81A0217 | R13212 | ELECTRICAL CIRCUITS ANALYSIS-I | 27 | 9 | 0 |
| 15A81A0217 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 41 | 2 |
| 15A81A0217 | R13217 | ENGINEERING CHEMISTRY LAB | 21 | 34 | 2 |
| 15A81A0217 | R13218 | C PROGRAMMING LAB | 18 | 43 | 2 |
| 15A81A0218 | R13201 | ENGLISH-II | 22 | 39 | 3 |
| 15A81A0218 | R13202 | MATHEMATICS-III | 22 | 32 | 3 |
| 15A81A0218 | R13204 | ENGG. CHEMISTRY | 20 | 27 | 3 |
| 15A81A0218 | R13205 | C PROGRAMMING | 20 | 24 | 3 |
| 15A81A0218 | R13210 | ENGG. MECHANICS | 23 | 29 | 3 |
| 15A81A0218 | R13212 | ELECTRICAL CIRCUITS ANALYSIS-I | 23 | 28 | 3 |
| 15A81A0218 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 42 | 2 |
| 15A81A0218 | R13217 | ENGINEERING CHEMISTRY LAB | 22 | 43 | 2 |
| 15A81A0218 | R13218 | C PROGRAMMING LAB | 17 | 40 | 2 |
| 15A81A0219 | R13201 | ENGLISH-II | 26 | 51 | 3 |
| 15A81A0219 | R13202 | MATHEMATICS-III | 25 | 28 | 3 |
| 15A81A0219 | R13204 | ENGG. CHEMISTRY | 15 | 33 | 3 |
| 15A81A0219 | R13205 | C PROGRAMMING | 23 | 13 | 0 |
| 15A81A0219 | R13210 | ENGG. MECHANICS | 26 | 41 | 3 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A0219 | R13212 | ELECTRICAL CIRCUITS ANALYSIS-I | 24 | 10 | 0 |
| 15A81A0219 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 40 | 2 |
| 15A81A0219 | R13217 | ENGINEERING CHEMISTRY LAB | 16 | 35 | 2 |
| 15A81A0219 | R13218 | C PROGRAMMING LAB | 15 | 40 | 2 |
| 15A81A0220 | R13201 | ENGLISH-II | 23 | 42 | 3 |
| 15A81A0220 | R13202 | MATHEMATICS-III | 24 | 38 | 3 |
| 15A81A0220 | R13204 | ENGG. CHEMISTRY | 16 | 25 | 3 |
| 15A81A0220 | R13205 | C PROGRAMMING | 21 | 29 | 3 |
| 15A81A0220 | R13210 | ENGG. MECHANICS | 27 | 10 | 0 |
| 15A81A0220 | R13212 | ELECTRICAL CIRCUITS ANALYSIS-I | 25 | 0 | 0 |
| 15A81A0220 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 43 | 2 |
| 15A81A0220 | R13217 | ENGINEERING CHEMISTRY LAB | 16 | 38 | 2 |
| 15A81A0220 | R13218 | C PROGRAMMING LAB | 18 | 41 | 2 |
| 15A81A0221 | R13201 | ENGLISH-II | 19 | 28 | 3 |
| 15A81A0221 | R13202 | MATHEMATICS-III | 19 | 24 | 3 |
| 15A81A0221 | R13204 | ENGG. CHEMISTRY | 11 | 5 | 0 |
| 15A81A0221 | R13205 | C PROGRAMMING | 16 | 7 | 0 |
| 15A81A0221 | R13210 | ENGG. MECHANICS | 24 | 26 | 3 |
| 15A81A0221 | R13212 | ELECTRICAL CIRCUITS ANALYSIS-I | 22 | 4 | 0 |
| 15A81A0221 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 39 | 2 |
| 15A81A0221 | R13217 | ENGINEERING CHEMISTRY LAB | 21 | 35 | 2 |
| 15A81A0221 | R13218 | C PROGRAMMING LAB | 16 | 36 | 2 |
| 15A81A0222 | R13201 | ENGLISH-II | 18 | 42 | 3 |
| 15A81A0222 | R13202 | MATHEMATICS-III | 20 | 16 | 0 |
| 15A81A0222 | R13204 | ENGG. CHEMISTRY | 16 | 9 | 0 |
| 15A81A0222 | R13205 | C PROGRAMMING | 17 | 12 | 0 |
| 15A81A0222 | R13210 | ENGG. MECHANICS | 16 | 8 | 0 |
| 15A81A0222 | R13212 | ELECTRICAL CIRCUITS ANALYSIS-I | 19 | 32 | 3 |
| 15A81A0222 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 19 | 35 | 2 |
| 15A81A0222 | R13217 | ENGINEERING CHEMISTRY LAB | 16 | 33 | 2 |
| 15A81A0222 | R13218 | C PROGRAMMING LAB | 13 | 32 | 2 |
| 15A81A0223 | R13201 | ENGLISH-II | 27 | 48 | 3 |
| 15A81A0223 | R13202 | MATHEMATICS-III | 23 | 26 | 3 |
| 15A81A0223 | R13204 | ENGG. CHEMISTRY | 18 | 36 | 3 |
| 15A81A0223 | R13205 | C PROGRAMMING | 25 | 29 | 3 |
| 15A81A0223 | R13210 | ENGG. MECHANICS | 25 | 38 | 3 |
| 15A81A0223 | R13212 | ELECTRICAL CIRCUITS ANALYSIS-I | 27 | 2 | 0 |
| 15A81A0223 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 23 | 45 | 2 |
| 15A81A0223 | R13217 | ENGINEERING CHEMISTRY LAB | 21 | 35 | 2 |
| 15A81A0223 | R13218 | C PROGRAMMING LAB | 17 | 42 | 2 |
| 15A81A0224 | R13201 | ENGLISH-II | 26 | 47 | 3 |
| 15A81A0224 | R13202 | MATHEMATICS-III | 26 | 41 | 3 |
| 15A81A0224 | R13204 | ENGG. CHEMISTRY | 17 | 30 | 3 |
| 15A81A0224 | R13205 | C PROGRAMMING | 21 | 29 | 3 |
| 15A81A0224 | R13210 | ENGG. MECHANICS | 19 | 6 | 0 |
| 15A81A0224 | R13212 | ELECTRICAL CIRCUITS ANALYSIS-I | 27 | 0 | 0 |
| 15A81A0224 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 23 | 45 | 2 |
| 15A81A0224 | R13217 | ENGINEERING CHEMISTRY LAB | 21 | 41 | 2 |
| 15A81A0224 | R13218 | C PROGRAMMING LAB | 16 | 37 | 2 |
| 15A81A0225 | R13201 | ENGLISH-II | 24 | 42 | 3 |
| 15A81A0225 | R13202 | MATHEMATICS-III | 30 | 62 | 3 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A0225 | R13204 | ENGG. CHEMISTRY | 19 | 32 | 3 |
| 15A81A0225 | R13205 | C PROGRAMMING | 22 | 40 | 3 |
| 15A81A0225 | R13210 | ENGG. MECHANICS | 27 | 41 | 3 |
| 15A81A0225 | R13212 | ELECTRICAL CIRCUITS ANALYSIS-I | 26 | 8 | 0 |
| 15A81A0225 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 23 | 44 | 2 |
| 15A81A0225 | R13217 | ENGINEERING CHEMISTRY LAB | 21 | 40 | 2 |
| 15A81A0225 | R13218 | C PROGRAMMING LAB | 18 | 40 | 2 |
| 15A81A0226 | R13201 | ENGLISH-II | 29 | 64 | 3 |
| 15A81A0226 | R13202 | MATHEMATICS-III | 29 | 43 | 3 |
| 15A81A0226 | R13204 | ENGG. CHEMISTRY | 20 | 37 | 3 |
| 15A81A0226 | R13205 | C PROGRAMMING | 26 | 30 | 3 |
| 15A81A0226 | R13210 | ENGG. MECHANICS | 28 | 47 | 3 |
| 15A81A0226 | R13212 | ELECTRICAL CIRCUITS ANALYSIS-I | 28 | 41 | 3 |
| 15A81A0226 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 25 | 49 | 2 |
| 15A81A0226 | R13217 | ENGINEERING CHEMISTRY LAB | 23 | 49 | 2 |
| 15A81A0226 | R13218 | C PROGRAMMING LAB | 19 | 43 | 2 |
| 15A81A0227 | R13201 | ENGLISH-II | 21 | 24 | 3 |
| 15A81A0227 | R13202 | MATHEMATICS-III | 28 | 35 | 3 |
| 15A81A0227 | R13204 | ENGG. CHEMISTRY | 17 | 27 | 3 |
| 15A81A0227 | R13205 | C PROGRAMMING | 21 | 17 | 0 |
| 15A81A0227 | R13210 | ENGG. MECHANICS | 19 | 29 | 3 |
| 15A81A0227 | R13212 | ELECTRICAL CIRCUITS ANALYSIS-I | 24 | 6 | 0 |
| 15A81A0227 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 37 | 2 |
| 15A81A0227 | R13217 | ENGINEERING CHEMISTRY LAB | 19 | 38 | 2 |
| 15A81A0227 | R13218 | C PROGRAMMING LAB | 12 | 36 | 2 |
| 15A81A0228 | R13201 | ENGLISH-II | 23 | 36 | 3 |
| 15A81A0228 | R13202 | MATHEMATICS-III | 28 | 19 | 0 |
| 15A81A0228 | R13204 | ENGG. CHEMISTRY | 18 | 33 | 3 |
| 15A81A0228 | R13205 | C PROGRAMMING | 23 | 16 | 0 |
| 15A81A0228 | R13210 | ENGG. MECHANICS | 22 | 24 | 3 |
| 15A81A0228 | R13212 | ELECTRICAL CIRCUITS ANALYSIS-I | 25 | 4 | 0 |
| 15A81A0228 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 43 | 2 |
| 15A81A0228 | R13217 | ENGINEERING CHEMISTRY LAB | 19 | 38 | 2 |
| 15A81A0228 | R13218 | C PROGRAMMING LAB | 16 | 40 | 2 |
| 15A81A0229 | R13201 | ENGLISH-II | 24 | 42 | 3 |
| 15A81A0229 | R13202 | MATHEMATICS-III | 26 | 39 | 3 |
| 15A81A0229 | R13204 | ENGG. CHEMISTRY | 18 | 31 | 3 |
| 15A81A0229 | R13205 | C PROGRAMMING | 24 | 29 | 3 |
| 15A81A0229 | R13210 | ENGG. MECHANICS | 29 | 44 | 3 |
| 15A81A0229 | R13212 | ELECTRICAL CIRCUITS ANALYSIS-I | 26 | 9 | 0 |
| 15A81A0229 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 37 | 2 |
| 15A81A0229 | R13217 | ENGINEERING CHEMISTRY LAB | 21 | 41 | 2 |
| 15A81A0229 | R13218 | C PROGRAMMING LAB | 19 | 41 | 2 |
| 15A81A0230 | R13201 | ENGLISH-II | 29 | 55 | 3 |
| 15A81A0230 | R13202 | MATHEMATICS-III | 30 | 63 | 3 |
| 15A81A0230 | R13204 | ENGG. CHEMISTRY | 23 | 39 | 3 |
| 15A81A0230 | R13205 | C PROGRAMMING | 28 | 27 | 3 |
| 15A81A0230 | R13210 | ENGG. MECHANICS | 28 | 44 | 3 |
| 15A81A0230 | R13212 | ELECTRICAL CIRCUITS ANALYSIS-I | 28 | 36 | 3 |
| 15A81A0230 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 24 | 48 | 2 |
| 15A81A0230 | R13217 | ENGINEERING CHEMISTRY LAB | 23 | 44 | 2 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A0230 | R13218 | C PROGRAMMING LAB | 24 | 48 | 2 |
| 15A81A0231 | R13201 | ENGLISH-II | 19 | 21 | 0 |
| 15A81A0231 | R13202 | MATHEMATICS-III | 18 | 2 | 0 |
| 15A81A0231 | R13204 | ENGG. CHEMISTRY | 13 | 12 | 0 |
| 15A81A0231 | R13205 | C PROGRAMMING | 18 | 14 | 0 |
| 15A81A0231 | R13210 | ENGG. MECHANICS | 23 | 15 | 0 |
| 15A81A0231 | R13212 | ELECTRICAL CIRCUITS ANALYSIS-I | 25 | 2 | 0 |
| 15A81A0231 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 14 | 34 | 2 |
| 15A81A0231 | R13217 | ENGINEERING CHEMISTRY LAB | 7 | 16 | 0 |
| 15A81A0231 | R13218 | C PROGRAMMING LAB | 14 | 35 | 2 |
| 15A81A0232 | R13201 | ENGLISH-II | 18 | 38 | 3 |
| 15A81A0232 | R13202 | MATHEMATICS-III | 18 | 9 | 0 |
| 15A81A0232 | R13204 | ENGG. CHEMISTRY | 16 | 0 | 0 |
| 15A81A0232 | R13205 | C PROGRAMMING | 19 | 13 | 0 |
| 15A81A0232 | R13210 | ENGG. MECHANICS | 17 | 7 | 0 |
| 15A81A0232 | R13212 | ELECTRICAL CIRCUITS ANALYSIS-I | 27 | 0 | 0 |
| 15A81A0232 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 18 | 35 | 2 |
| 15A81A0232 | R13217 | ENGINEERING CHEMISTRY LAB | 14 | 40 | 2 |
| 15A81A0232 | R13218 | C PROGRAMMING LAB | 11 | 26 | 2 |
| 15A81A0233 | R13201 | ENGLISH-II | 21 | 39 | 3 |
| 15A81A0233 | R13202 | MATHEMATICS-III | 19 | 10 | 0 |
| 15A81A0233 | R13204 | ENGG. CHEMISTRY | 12 | 5 | 0 |
| 15A81A0233 | R13205 | C PROGRAMMING | 21 | 13 | 0 |
| 15A81A0233 | R13210 | ENGG. MECHANICS | 26 | 5 | 0 |
| 15A81A0233 | R13212 | ELECTRICAL CIRCUITS ANALYSIS-I | 25 | 0 | 0 |
| 15A81A0233 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 40 | 2 |
| 15A81A0233 | R13217 | ENGINEERING CHEMISTRY LAB | 19 | 35 | 2 |
| 15A81A0233 | R13218 | C PROGRAMMING LAB | 17 | 37 | 2 |
| 15A81A0234 | R13201 | ENGLISH-II | 20 | 49 | 3 |
| 15A81A0234 | R13202 | MATHEMATICS-III | 16 | 24 | 3 |
| 15A81A0234 | R13204 | ENGG. CHEMISTRY | 14 | 4 | 0 |
| 15A81A0234 | R13205 | C PROGRAMMING | 23 | 26 | 3 |
| 15A81A0234 | R13210 | ENGG. MECHANICS | 20 | 29 | 3 |
| 15A81A0234 | R13212 | ELECTRICAL CIRCUITS ANALYSIS-I | 24 | 32 | 3 |
| 15A81A0234 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 18 | 36 | 2 |
| 15A81A0234 | R13217 | ENGINEERING CHEMISTRY LAB | 17 | 36 | 2 |
| 15A81A0234 | R13218 | C PROGRAMMING LAB | 15 | 38 | 2 |
| 15A81A0235 | R13201 | ENGLISH-II | 24 | 38 | 3 |
| 15A81A0235 | R13202 | MATHEMATICS-III | 28 | 33 | 3 |
| 15A81A0235 | R13204 | ENGG. CHEMISTRY | 21 | 42 | 3 |
| 15A81A0235 | R13205 | C PROGRAMMING | 26 | 30 | 3 |
| 15A81A0235 | R13210 | ENGG. MECHANICS | 26 | 46 | 3 |
| 15A81A0235 | R13212 | ELECTRICAL CIRCUITS ANALYSIS-I | 24 | 26 | 3 |
| 15A81A0235 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 23 | 43 | 2 |
| 15A81A0235 | R13217 | ENGINEERING CHEMISTRY LAB | 21 | 41 | 2 |
| 15A81A0235 | R13218 | C PROGRAMMING LAB | 21 | 42 | 2 |
| 15A81A0236 | R13201 | ENGLISH-II | 26 | 52 | 3 |
| 15A81A0236 | R13202 | MATHEMATICS-III | 26 | 51 | 3 |
| 15A81A0236 | R13204 | ENGG. CHEMISTRY | 18 | 51 | 3 |
| 15A81A0236 | R13205 | C PROGRAMMING | 26 | 24 | 3 |
| 15A81A0236 | R13210 | ENGG. MECHANICS | 27 | 40 | 3 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A0236 | R13212 | ELECTRICAL CIRCUITS ANALYSIS-I | 27 | 6 | 0 |
| 15A81A0236 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 42 | 2 |
| 15A81A0236 | R13217 | ENGINEERING CHEMISTRY LAB | 19 | 39 | 2 |
| 15A81A0236 | R13218 | C PROGRAMMING LAB | 17 | 40 | 2 |
| 15A81A0237 | R13201 | ENGLISH-II | 21 | 53 | 3 |
| 15A81A0237 | R13202 | MATHEMATICS-III | 27 | 37 | 3 |
| 15A81A0237 | R13204 | ENGG. CHEMISTRY | 15 | 29 | 3 |
| 15A81A0237 | R13205 | C PROGRAMMING | 24 | 48 | 3 |
| 15A81A0237 | R13210 | ENGG. MECHANICS | 26 | 28 | 3 |
| 15A81A0237 | R13212 | ELECTRICAL CIRCUITS ANALYSIS-I | 25 | 8 | 0 |
| 15A81A0237 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 17 | 37 | 2 |
| 15A81A0237 | R13217 | ENGINEERING CHEMISTRY LAB | 16 | 36 | 2 |
| 15A81A0237 | R13218 | C PROGRAMMING LAB | 14 | 36 | 2 |
| 15A81A0238 | R13201 | ENGLISH-II | 22 | 33 | 3 |
| 15A81A0238 | R13202 | MATHEMATICS-III | 22 | 36 | 3 |
| 15A81A0238 | R13204 | ENGG. CHEMISTRY | 14 | 6 | 0 |
| 15A81A0238 | R13205 | C PROGRAMMING | 21 | 24 | 3 |
| 15A81A0238 | R13210 | ENGG. MECHANICS | 24 | 13 | 0 |
| 15A81A0238 | R13212 | ELECTRICAL CIRCUITS ANALYSIS-I | 27 | 28 | 3 |
| 15A81A0238 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 40 | 2 |
| 15A81A0238 | R13217 | ENGINEERING CHEMISTRY LAB | 17 | 34 | 2 |
| 15A81A0238 | R13218 | C PROGRAMMING LAB | 15 | 37 | 2 |
| 15A81A0239 | R13201 | ENGLISH-II | 20 | 51 | 3 |
| 15A81A0239 | R13202 | MATHEMATICS-III | 18 | 24 | 3 |
| 15A81A0239 | R13204 | ENGG. CHEMISTRY | 16 | 7 | 0 |
| 15A81A0239 | R13205 | C PROGRAMMING | 19 | 14 | 0 |
| 15A81A0239 | R13210 | ENGG. MECHANICS | 25 | 27 | 3 |
| 15A81A0239 | R13212 | ELECTRICAL CIRCUITS ANALYSIS-I | 26 | 5 | 0 |
| 15A81A0239 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 16 | 36 | 2 |
| 15A81A0239 | R13217 | ENGINEERING CHEMISTRY LAB | 17 | 33 | 2 |
| 15A81A0239 | R13218 | C PROGRAMMING LAB | 15 | 36 | 2 |
| 15A81A0240 | R13201 | ENGLISH-II | 21 | 30 | 3 |
| 15A81A0240 | R13202 | MATHEMATICS-III | 20 | 43 | 3 |
| 15A81A0240 | R13204 | ENGG. CHEMISTRY | 16 | 24 | 3 |
| 15A81A0240 | R13205 | C PROGRAMMING | 16 | 24 | 3 |
| 15A81A0240 | R13210 | ENGG. MECHANICS | 20 | 33 | 3 |
| 15A81A0240 | R13212 | ELECTRICAL CIRCUITS ANALYSIS-I | 26 | 2 | 0 |
| 15A81A0240 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 38 | 2 |
| 15A81A0240 | R13217 | ENGINEERING CHEMISTRY LAB | 13 | 33 | 2 |
| 15A81A0240 | R13218 | C PROGRAMMING LAB | 12 | 35 | 2 |
| 15A81A0241 | R13201 | ENGLISH-II | 22 | 38 | 3 |
| 15A81A0241 | R13202 | MATHEMATICS-III | 25 | 35 | 3 |
| 15A81A0241 | R13204 | ENGG. CHEMISTRY | 24 | 30 | 3 |
| 15A81A0241 | R13205 | C PROGRAMMING | 22 | 29 | 3 |
| 15A81A0241 | R13210 | ENGG. MECHANICS | 25 | 37 | 3 |
| 15A81A0241 | R13212 | ELECTRICAL CIRCUITS ANALYSIS-I | 25 | 0 | 0 |
| 15A81A0241 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 43 | 2 |
| 15A81A0241 | R13217 | ENGINEERING CHEMISTRY LAB | 19 | 34 | 2 |
| 15A81A0241 | R13218 | C PROGRAMMING LAB | 19 | 40 | 2 |
| 15A81A0242 | R13201 | ENGLISH-II | 24 | 47 | 3 |
| 15A81A0242 | R13202 | MATHEMATICS-III | 28 | 49 | 3 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A0242 | R13204 | ENGG. CHEMISTRY | 20 | 24 | 3 |
| 15A81A0242 | R13205 | C PROGRAMMING | 25 | 29 | 3 |
| 15A81A0242 | R13210 | ENGG. MECHANICS | 28 | 38 | 3 |
| 15A81A0242 | R13212 | ELECTRICAL CIRCUITS ANALYSIS-I | 27 | 35 | 3 |
| 15A81A0242 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 41 | 2 |
| 15A81A0242 | R13217 | ENGINEERING CHEMISTRY LAB | 18 | 44 | 2 |
| 15A81A0242 | R13218 | C PROGRAMMING LAB | 23 | 46 | 2 |
| 15A81A0243 | R13201 | ENGLISH-II | 24 | 57 | 3 |
| 15A81A0243 | R13202 | MATHEMATICS-III | 29 | 24 | 3 |
| 15A81A0243 | R13204 | ENGG. CHEMISTRY | 23 | 32 | 3 |
| 15A81A0243 | R13205 | C PROGRAMMING | 25 | 28 | 3 |
| 15A81A0243 | R13210 | ENGG. MECHANICS | 30 | 35 | 3 |
| 15A81A0243 | R13212 | ELECTRICAL CIRCUITS ANALYSIS-I | 25 | 24 | 3 |
| 15A81A0243 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 40 | 2 |
| 15A81A0243 | R13217 | ENGINEERING CHEMISTRY LAB | 21 | 41 | 2 |
| 15A81A0243 | R13218 | C PROGRAMMING LAB | 18 | 42 | 2 |
| 15A81A0244 | R13201 | ENGLISH-II | 26 | 28 | 3 |
| 15A81A0244 | R13202 | MATHEMATICS-III | 28 | 33 | 3 |
| 15A81A0244 | R13204 | ENGG. CHEMISTRY | 20 | 30 | 3 |
| 15A81A0244 | R13205 | C PROGRAMMING | 25 | 24 | 3 |
| 15A81A0244 | R13210 | ENGG. MECHANICS | 29 | 31 | 3 |
| 15A81A0244 | R13212 | ELECTRICAL CIRCUITS ANALYSIS-I | 21 | 6 | 0 |
| 15A81A0244 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 19 | 35 | 2 |
| 15A81A0244 | R13217 | ENGINEERING CHEMISTRY LAB | 20 | 39 | 2 |
| 15A81A0244 | R13218 | C PROGRAMMING LAB | 18 | 40 | 2 |
| 15A81A0245 | R13201 | ENGLISH-II | 26 | 43 | 3 |
| 15A81A0245 | R13202 | MATHEMATICS-III | 26 | 28 | 3 |
| 15A81A0245 | R13204 | ENGG. CHEMISTRY | 22 | 30 | 3 |
| 15A81A0245 | R13205 | C PROGRAMMING | 21 | 28 | 3 |
| 15A81A0245 | R13210 | ENGG. MECHANICS | 26 | 34 | 3 |
| 15A81A0245 | R13212 | ELECTRICAL CIRCUITS ANALYSIS-I | 23 | 2 | 0 |
| 15A81A0245 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 43 | 2 |
| 15A81A0245 | R13217 | ENGINEERING CHEMISTRY LAB | 21 | 37 | 2 |
| 15A81A0245 | R13218 | C PROGRAMMING LAB | 17 | 46 | 2 |
| 15A81A0246 | R13201 | ENGLISH-II | 25 | 44 | 3 |
| 15A81A0246 | R13202 | MATHEMATICS-III | 26 | 41 | 3 |
| 15A81A0246 | R13204 | ENGG. CHEMISTRY | 23 | 24 | 3 |
| 15A81A0246 | R13205 | C PROGRAMMING | 22 | 26 | 3 |
| 15A81A0246 | R13210 | ENGG. MECHANICS | 27 | 24 | 3 |
| 15A81A0246 | R13212 | ELECTRICAL CIRCUITS ANALYSIS-I | 21 | 11 | 0 |
| 15A81A0246 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 42 | 2 |
| 15A81A0246 | R13217 | ENGINEERING CHEMISTRY LAB | 22 | 37 | 2 |
| 15A81A0246 | R13218 | C PROGRAMMING LAB | 21 | 36 | 2 |
| 15A81A0247 | R13201 | ENGLISH-II | 25 | 56 | 3 |
| 15A81A0247 | R13202 | MATHEMATICS-III | 29 | 42 | 3 |
| 15A81A0247 | R13204 | ENGG. CHEMISTRY | 25 | 51 | 3 |
| 15A81A0247 | R13205 | C PROGRAMMING | 28 | 32 | 3 |
| 15A81A0247 | R13210 | ENGG. MECHANICS | 29 | 44 | 3 |
| 15A81A0247 | R13212 | ELECTRICAL CIRCUITS ANALYSIS-I | 26 | 36 | 3 |
| 15A81A0247 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 23 | 46 | 2 |
| 15A81A0247 | R13217 | ENGINEERING CHEMISTRY LAB | 24 | 50 | 2 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A0247 | R13218 | C PROGRAMMING LAB | 19 | 46 | 2 |
| 15A81A0248 | R13201 | ENGLISH-II | 26 | 42 | 3 |
| 15A81A0248 | R13202 | MATHEMATICS-III | 27 | 45 | 3 |
| 15A81A0248 | R13204 | ENGG. CHEMISTRY | 24 | 45 | 3 |
| 15A81A0248 | R13205 | C PROGRAMMING | 30 | 34 | 3 |
| 15A81A0248 | R13210 | ENGG. MECHANICS | 25 | 45 | 3 |
| 15A81A0248 | R13212 | ELECTRICAL CIRCUITS ANALYSIS-I | 29 | 24 | 3 |
| 15A81A0248 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 23 | 46 | 2 |
| 15A81A0248 | R13217 | ENGINEERING CHEMISTRY LAB | 24 | 50 | 2 |
| 15A81A0248 | R13218 | C PROGRAMMING LAB | 23 | 49 | 2 |
| 15A81A0249 | R13201 | ENGLISH-II | 24 | 48 | 3 |
| 15A81A0249 | R13202 | MATHEMATICS-III | 29 | 42 | 3 |
| 15A81A0249 | R13204 | ENGG. CHEMISTRY | 27 | 33 | 3 |
| 15A81A0249 | R13205 | C PROGRAMMING | 27 | 44 | 3 |
| 15A81A0249 | R13210 | ENGG. MECHANICS | 29 | 38 | 3 |
| 15A81A0249 | R13212 | ELECTRICAL CIRCUITS ANALYSIS-I | 27 | 4 | 0 |
| 15A81A0249 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 45 | 2 |
| 15A81A0249 | R13217 | ENGINEERING CHEMISTRY LAB | 24 | 50 | 2 |
| 15A81A0249 | R13218 | C PROGRAMMING LAB | 17 | 45 | 2 |
| 15A81A0250 | R13201 | ENGLISH-II | 17 | 41 | 3 |
| 15A81A0250 | R13202 | MATHEMATICS-III | 25 | 41 | 3 |
| 15A81A0250 | R13204 | ENGG. CHEMISTRY | 18 | 27 | 3 |
| 15A81A0250 | R13205 | C PROGRAMMING | 24 | 29 | 3 |
| 15A81A0250 | R13210 | ENGG. MECHANICS | 19 | 15 | 0 |
| 15A81A0250 | R13212 | ELECTRICAL CIRCUITS ANALYSIS-I | 22 | 24 | 3 |
| 15A81A0250 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 42 | 2 |
| 15A81A0250 | R13217 | ENGINEERING CHEMISTRY LAB | 16 | 25 | 2 |
| 15A81A0250 | R13218 | C PROGRAMMING LAB | 16 | 33 | 2 |
| 15A81A0251 | R13201 | ENGLISH-II | 27 | 56 | 3 |
| 15A81A0251 | R13202 | MATHEMATICS-III | 27 | 34 | 3 |
| 15A81A0251 | R13204 | ENGG. CHEMISTRY | 22 | 26 | 3 |
| 15A81A0251 | R13205 | C PROGRAMMING | 23 | 16 | 0 |
| 15A81A0251 | R13210 | ENGG. MECHANICS | 28 | 31 | 3 |
| 15A81A0251 | R13212 | ELECTRICAL CIRCUITS ANALYSIS-I | 22 | 26 | 3 |
| 15A81A0251 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 42 | 2 |
| 15A81A0251 | R13217 | ENGINEERING CHEMISTRY LAB | 19 | 37 | 2 |
| 15A81A0251 | R13218 | C PROGRAMMING LAB | 18 | 30 | 2 |
| 15A81A0252 | R13201 | ENGLISH-II | 24 | 30 | 3 |
| 15A81A0252 | R13202 | MATHEMATICS-III | 28 | 44 | 3 |
| 15A81A0252 | R13204 | ENGG. CHEMISTRY | 22 | 48 | 3 |
| 15A81A0252 | R13205 | C PROGRAMMING | 24 | 31 | 3 |
| 15A81A0252 | R13210 | ENGG. MECHANICS | 29 | 44 | 3 |
| 15A81A0252 | R13212 | ELECTRICAL CIRCUITS ANALYSIS-I | 22 | 25 | 3 |
| 15A81A0252 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 40 | 2 |
| 15A81A0252 | R13217 | ENGINEERING CHEMISTRY LAB | 19 | 30 | 2 |
| 15A81A0252 | R13218 | C PROGRAMMING LAB | 21 | 44 | 2 |
| 15A81A0253 | R13201 | ENGLISH-II | 22 | 54 | 3 |
| 15A81A0253 | R13202 | MATHEMATICS-III | 27 | 57 | 3 |
| 15A81A0253 | R13204 | ENGG. CHEMISTRY | 27 | 34 | 3 |
| 15A81A0253 | R13205 | C PROGRAMMING | 28 | 50 | 3 |
| 15A81A0253 | R13210 | ENGG. MECHANICS | 29 | 31 | 3 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A0253 | R13212 | ELECTRICAL CIRCUITS ANALYSIS-I | 24 | 8 | 0 |
| 15A81A0253 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 45 | 2 |
| 15A81A0253 | R13217 | ENGINEERING CHEMISTRY LAB | 24 | 45 | 2 |
| 15A81A0253 | R13218 | C PROGRAMMING LAB | 22 | 48 | 2 |
| 15A81A0254 | R13201 | ENGLISH-II | 22 | 31 | 3 |
| 15A81A0254 | R13202 | MATHEMATICS-III | 22 | 39 | 3 |
| 15A81A0254 | R13204 | ENGG. CHEMISTRY | 16 | 28 | 3 |
| 15A81A0254 | R13205 | C PROGRAMMING | 17 | 29 | 3 |
| 15A81A0254 | R13210 | ENGG. MECHANICS | 17 | 24 | 3 |
| 15A81A0254 | R13212 | ELECTRICAL CIRCUITS ANALYSIS-I | 18 | 29 | 3 |
| 15A81A0254 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 23 | 46 | 2 |
| 15A81A0254 | R13217 | ENGINEERING CHEMISTRY LAB | 19 | 40 | 2 |
| 15A81A0254 | R13218 | C PROGRAMMING LAB | 17 | 32 | 2 |
| 15A81A0255 | R13201 | ENGLISH-II | 21 | 55 | 3 |
| 15A81A0255 | R13202 | MATHEMATICS-III | 26 | 26 | 3 |
| 15A81A0255 | R13204 | ENGG. CHEMISTRY | 15 | 33 | 3 |
| 15A81A0255 | R13205 | C PROGRAMMING | 23 | 30 | 3 |
| 15A81A0255 | R13210 | ENGG. MECHANICS | 25 | 47 | 3 |
| 15A81A0255 | R13212 | ELECTRICAL CIRCUITS ANALYSIS-I | 19 | 33 | 3 |
| 15A81A0255 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 44 | 2 |
| 15A81A0255 | R13217 | ENGINEERING CHEMISTRY LAB | 14 | 25 | 2 |
| 15A81A0255 | R13218 | C PROGRAMMING LAB | 22 | 42 | 2 |
| 15A81A0256 | R13201 | ENGLISH-II | 25 | 42 | 3 |
| 15A81A0256 | R13202 | MATHEMATICS-III | 26 | 37 | 3 |
| 15A81A0256 | R13204 | ENGG. CHEMISTRY | 21 | 39 | 3 |
| 15A81A0256 | R13205 | C PROGRAMMING | 23 | 28 | 3 |
| 15A81A0256 | R13210 | ENGG. MECHANICS | 24 | 31 | 3 |
| 15A81A0256 | R13212 | ELECTRICAL CIRCUITS ANALYSIS-I | 23 | 0 | 0 |
| 15A81A0256 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 44 | 2 |
| 15A81A0256 | R13217 | ENGINEERING CHEMISTRY LAB | 14 | 42 | 2 |
| 15A81A0256 | R13218 | C PROGRAMMING LAB | 16 | 37 | 2 |
| 15A81A0257 | R13201 | ENGLISH-II | 19 | 20 | 0 |
| 15A81A0257 | R13202 | MATHEMATICS-III | 14 | 2 | 0 |
| 15A81A0257 | R13204 | ENGG. CHEMISTRY | 13 | 1 | 0 |
| 15A81A0257 | R13205 | C PROGRAMMING | 17 | 0 | 0 |
| 15A81A0257 | R13210 | ENGG. MECHANICS | 14 | 0 | 0 |
| 15A81A0257 | R13212 | ELECTRICAL CIRCUITS ANALYSIS-I | 19 | 0 | 0 |
| 15A81A0257 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 19 | 39 | 2 |
| 15A81A0257 | R13217 | ENGINEERING CHEMISTRY LAB | 13 | 25 | 2 |
| 15A81A0257 | R13218 | C PROGRAMMING LAB | 10 | 22 | 2 |
| 15A81A0258 | R13201 | ENGLISH-II | 26 | 53 | 3 |
| 15A81A0258 | R13202 | MATHEMATICS-III | 27 | 43 | 3 |
| 15A81A0258 | R13204 | ENGG. CHEMISTRY | 25 | 47 | 3 |
| 15A81A0258 | R13205 | C PROGRAMMING | 25 | 48 | 3 |
| 15A81A0258 | R13210 | ENGG. MECHANICS | 28 | 31 | 3 |
| 15A81A0258 | R13212 | ELECTRICAL CIRCUITS ANALYSIS-I | 26 | 8 | 0 |
| 15A81A0258 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 43 | 2 |
| 15A81A0258 | R13217 | ENGINEERING CHEMISTRY LAB | 23 | 49 | 2 |
| 15A81A0258 | R13218 | C PROGRAMMING LAB | 21 | 42 | 2 |
| 15A81A0259 | R13201 | ENGLISH-II | 22 | 47 | 3 |
| 15A81A0259 | R13202 | MATHEMATICS-III | 27 | 39 | 3 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A0259 | R13204 | ENGG. CHEMISTRY | 18 | 10 | 0 |
| 15A81A0259 | R13205 | C PROGRAMMING | 20 | 10 | 0 |
| 15A81A0259 | R13210 | ENGG. MECHANICS | 25 | 29 | 3 |
| 15A81A0259 | R13212 | ELECTRICAL CIRCUITS ANALYSIS-I | 21 | 33 | 3 |
| 15A81A0259 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 38 | 2 |
| 15A81A0259 | R13217 | ENGINEERING CHEMISTRY LAB | 19 | 32 | 2 |
| 15A81A0259 | R13218 | C PROGRAMMING LAB | 14 | 28 | 2 |
| 15A81A0260 | R13201 | ENGLISH-II | 29 | 44 | 3 |
| 15A81A0260 | R13202 | MATHEMATICS-III | 28 | 37 | 3 |
| 15A81A0260 | R13204 | ENGG. CHEMISTRY | 25 | 35 | 3 |
| 15A81A0260 | R13205 | C PROGRAMMING | 22 | 14 | 0 |
| 15A81A0260 | R13210 | ENGG. MECHANICS | 24 | 24 | 3 |
| 15A81A0260 | R13212 | ELECTRICAL CIRCUITS ANALYSIS-I | 24 | 6 | 0 |
| 15A81A0260 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 44 | 2 |
| 15A81A0260 | R13217 | ENGINEERING CHEMISTRY LAB | 20 | 37 | 2 |
| 15A81A0260 | R13218 | C PROGRAMMING LAB | 21 | 38 | 2 |
| 15A81A0261 | R13201 | ENGLISH-II | 22 | 32 | 3 |
| 15A81A0261 | R13202 | MATHEMATICS-III | 24 | 24 | 3 |
| 15A81A0261 | R13204 | ENGG. CHEMISTRY | 14 | 7 | 0 |
| 15A81A0261 | R13205 | C PROGRAMMING | 20 | 6 | 0 |
| 15A81A0261 | R13210 | ENGG. MECHANICS | 22 | 24 | 3 |
| 15A81A0261 | R13212 | ELECTRICAL CIRCUITS ANALYSIS-I | 22 | 0 | 0 |
| 15A81A0261 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 23 | 42 | 2 |
| 15A81A0261 | R13217 | ENGINEERING CHEMISTRY LAB | 13 | 27 | 2 |
| 15A81A0261 | R13218 | C PROGRAMMING LAB | 14 | 20 | 2 |
| 15A81A0262 | R13201 | ENGLISH-II | 25 | 30 | 3 |
| 15A81A0262 | R13202 | MATHEMATICS-III | 27 | 34 | 3 |
| 15A81A0262 | R13204 | ENGG. CHEMISTRY | 21 | 10 | 0 |
| 15A81A0262 | R13205 | C PROGRAMMING | 26 | 30 | 3 |
| 15A81A0262 | R13210 | ENGG. MECHANICS | 25 | 24 | 3 |
| 15A81A0262 | R13212 | ELECTRICAL CIRCUITS ANALYSIS-I | 22 | 8 | 0 |
| 15A81A0262 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 44 | 2 |
| 15A81A0262 | R13217 | ENGINEERING CHEMISTRY LAB | 18 | 31 | 2 |
| 15A81A0262 | R13218 | C PROGRAMMING LAB | 21 | 41 | 2 |
| 15A81A0263 | R13201 | ENGLISH-II | 23 | 47 | 3 |
| 15A81A0263 | R13202 | MATHEMATICS-III | 28 | 31 | 3 |
| 15A81A0263 | R13204 | ENGG. CHEMISTRY | 20 | 26 | 3 |
| 15A81A0263 | R13205 | C PROGRAMMING | 22 | 13 | 0 |
| 15A81A0263 | R13210 | ENGG. MECHANICS | 27 | 38 | 3 |
| 15A81A0263 | R13212 | ELECTRICAL CIRCUITS ANALYSIS-I | 27 | 0 | 0 |
| 15A81A0263 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 39 | 2 |
| 15A81A0263 | R13217 | ENGINEERING CHEMISTRY LAB | 15 | 27 | 2 |
| 15A81A0263 | R13218 | C PROGRAMMING LAB | 14 | 26 | 2 |
| 15A81A0264 | R13201 | ENGLISH-II | 18 | 51 | 3 |
| 15A81A0264 | R13202 | MATHEMATICS-III | 21 | -1 | 0 |
| 15A81A0264 | R13204 | ENGG. CHEMISTRY | 16 | 7 | 0 |
| 15A81A0264 | R13205 | C PROGRAMMING | 23 | 28 | 3 |
| 15A81A0264 | R13210 | ENGG. MECHANICS | 23 | 24 | 3 |
| 15A81A0264 | R13212 | ELECTRICAL CIRCUITS ANALYSIS-I | 21 | 2 | 0 |
| 15A81A0264 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 41 | 2 |
| 15A81A0264 | R13217 | ENGINEERING CHEMISTRY LAB | 18 | -1 | 0 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A0264 | R13218 | C PROGRAMMING LAB | 22 | 48 | 2 |
| 15A81A0265 | R13201 | ENGLISH-II | 27 | 52 | 3 |
| 15A81A0265 | R13202 | MATHEMATICS-III | 27 | 44 | 3 |
| 15A81A0265 | R13204 | ENGG. CHEMISTRY | 24 | 35 | 3 |
| 15A81A0265 | R13205 | C PROGRAMMING | 26 | 39 | 3 |
| 15A81A0265 | R13210 | ENGG. MECHANICS | 30 | 33 | 3 |
| 15A81A0265 | R13212 | ELECTRICAL CIRCUITS ANALYSIS-I | 23 | 9 | 0 |
| 15A81A0265 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 23 | 45 | 2 |
| 15A81A0265 | R13217 | ENGINEERING CHEMISTRY LAB | 23 | 50 | 2 |
| 15A81A0265 | R13218 | C PROGRAMMING LAB | 21 | 45 | 2 |
| 15A81A0266 | R13201 | ENGLISH-II | 25 | 32 | 3 |
| 15A81A0266 | R13202 | MATHEMATICS-III | 26 | 33 | 3 |
| 15A81A0266 | R13204 | ENGG. CHEMISTRY | 20 | 7 | 0 |
| 15A81A0266 | R13205 | C PROGRAMMING | 24 | 11 | 0 |
| 15A81A0266 | R13210 | ENGG. MECHANICS | 25 | 12 | 0 |
| 15A81A0266 | R13212 | ELECTRICAL CIRCUITS ANALYSIS-I | 23 | 8 | 0 |
| 15A81A0266 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 41 | 2 |
| 15A81A0266 | R13217 | ENGINEERING CHEMISTRY LAB | 16 | 30 | 2 |
| 15A81A0266 | R13218 | C PROGRAMMING LAB | 18 | 35 | 2 |
| 15A81A0267 | R13201 | ENGLISH-II | 23 | 52 | 3 |
| 15A81A0267 | R13202 | MATHEMATICS-III | 27 | 26 | 3 |
| 15A81A0267 | R13204 | ENGG. CHEMISTRY | 21 | 27 | 3 |
| 15A81A0267 | R13205 | C PROGRAMMING | 22 | 8 | 0 |
| 15A81A0267 | R13210 | ENGG. MECHANICS | 28 | 31 | 3 |
| 15A81A0267 | R13212 | ELECTRICAL CIRCUITS ANALYSIS-I | 23 | 8 | 0 |
| 15A81A0267 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 43 | 2 |
| 15A81A0267 | R13217 | ENGINEERING CHEMISTRY LAB | 18 | 31 | 2 |
| 15A81A0267 | R13218 | C PROGRAMMING LAB | 19 | 40 | 2 |
| 15A81A0268 | R13201 | ENGLISH-II | 18 | 46 | 3 |
| 15A81A0268 | R13202 | MATHEMATICS-III | 25 | 28 | 3 |
| 15A81A0268 | R13204 | ENGG. CHEMISTRY | 20 | 46 | 3 |
| 15A81A0268 | R13205 | C PROGRAMMING | 23 | 29 | 3 |
| 15A81A0268 | R13210 | ENGG. MECHANICS | 24 | 11 | 0 |
| 15A81A0268 | R13212 | ELECTRICAL CIRCUITS ANALYSIS-I | 23 | 7 | 0 |
| 15A81A0268 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 41 | 2 |
| 15A81A0268 | R13217 | ENGINEERING CHEMISTRY LAB | 17 | 31 | 2 |
| 15A81A0268 | R13218 | C PROGRAMMING LAB | 18 | 25 | 2 |
| 15A81A0269 | R13201 | ENGLISH-II | 22 | 24 | 3 |
| 15A81A0269 | R13202 | MATHEMATICS-III | 25 | 34 | 3 |
| 15A81A0269 | R13204 | ENGG. CHEMISTRY | 18 | 28 | 3 |
| 15A81A0269 | R13205 | C PROGRAMMING | 24 | 27 | 3 |
| 15A81A0269 | R13210 | ENGG. MECHANICS | 25 | 33 | 3 |
| 15A81A0269 | R13212 | ELECTRICAL CIRCUITS ANALYSIS-I | 25 | 0 | 0 |
| 15A81A0269 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 40 | 2 |
| 15A81A0269 | R13217 | ENGINEERING CHEMISTRY LAB | 17 | 30 | 2 |
| 15A81A0269 | R13218 | C PROGRAMMING LAB | 19 | 32 | 2 |
| 15A81A0270 | R13201 | ENGLISH-II | 27 | 35 | 3 |
| 15A81A0270 | R13202 | MATHEMATICS-III | 27 | 45 | 3 |
| 15A81A0270 | R13204 | ENGG. CHEMISTRY | 21 | 28 | 3 |
| 15A81A0270 | R13205 | C PROGRAMMING | 26 | 43 | 3 |
| 15A81A0270 | R13210 | ENGG. MECHANICS | 25 | 31 | 3 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A0270 | R13212 | ELECTRICAL CIRCUITS ANALYSIS-I | 23 | 30 | 3 |
| 15A81A0270 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 23 | 45 | 2 |
| 15A81A0270 | R13217 | ENGINEERING CHEMISTRY LAB | 20 | 38 | 2 |
| 15A81A0270 | R13218 | C PROGRAMMING LAB | 19 | 35 | 2 |
| 15A81A0271 | R13201 | ENGLISH-II | 24 | 48 | 3 |
| 15A81A0271 | R13202 | MATHEMATICS-III | 29 | 41 | 3 |
| 15A81A0271 | R13204 | ENGG. CHEMISTRY | 20 | 26 | 3 |
| 15A81A0271 | R13205 | C PROGRAMMING | 27 | 32 | 3 |
| 15A81A0271 | R13210 | ENGG. MECHANICS | 28 | 41 | 3 |
| 15A81A0271 | R13212 | ELECTRICAL CIRCUITS ANALYSIS-I | 23 | 53 | 3 |
| 15A81A0271 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 40 | 2 |
| 15A81A0271 | R13217 | ENGINEERING CHEMISTRY LAB | 20 | 33 | 2 |
| 15A81A0271 | R13218 | C PROGRAMMING LAB | 22 | 50 | 2 |
| 15A81A0272 | R13201 | ENGLISH-II | 22 | 60 | 3 |
| 15A81A0272 | R13202 | MATHEMATICS-III | 19 | 10 | 0 |
| 15A81A0272 | R13204 | ENGG. CHEMISTRY | 16 | 37 | 3 |
| 15A81A0272 | R13205 | C PROGRAMMING | 23 | 24 | 3 |
| 15A81A0272 | R13210 | ENGG. MECHANICS | 22 | 30 | 3 |
| 15A81A0272 | R13212 | ELECTRICAL CIRCUITS ANALYSIS-I | 22 | 2 | 0 |
| 15A81A0272 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 42 | 2 |
| 15A81A0272 | R13217 | ENGINEERING CHEMISTRY LAB | 23 | 45 | 2 |
| 15A81A0272 | R13218 | C PROGRAMMING LAB | 14 | 38 | 2 |
| 15A81A0273 | R13201 | ENGLISH-II | 22 | 38 | 3 |
| 15A81A0273 | R13202 | MATHEMATICS-III | 26 | 26 | 3 |
| 15A81A0273 | R13204 | ENGG. CHEMISTRY | 21 | 14 | 0 |
| 15A81A0273 | R13205 | C PROGRAMMING | 25 | 28 | 3 |
| 15A81A0273 | R13210 | ENGG. MECHANICS | 22 | 30 | 3 |
| 15A81A0273 | R13212 | ELECTRICAL CIRCUITS ANALYSIS-I | 22 | 2 | 0 |
| 15A81A0273 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 23 | 45 | 2 |
| 15A81A0273 | R13217 | ENGINEERING CHEMISTRY LAB | 22 | 46 | 2 |
| 15A81A0273 | R13218 | C PROGRAMMING LAB | 17 | 46 | 2 |
| 15A81A0274 | R13201 | ENGLISH-II | 25 | 32 | 3 |
| 15A81A0274 | R13202 | MATHEMATICS-III | 27 | 57 | 3 |
| 15A81A0274 | R13204 | ENGG. CHEMISTRY | 24 | 29 | 3 |
| 15A81A0274 | R13205 | C PROGRAMMING | 26 | 34 | 3 |
| 15A81A0274 | R13210 | ENGG. MECHANICS | 28 | 30 | 3 |
| 15A81A0274 | R13212 | ELECTRICAL CIRCUITS ANALYSIS-I | 23 | 11 | 0 |
| 15A81A0274 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 45 | 2 |
| 15A81A0274 | R13217 | ENGINEERING CHEMISTRY LAB | 21 | 45 | 2 |
| 15A81A0274 | R13218 | C PROGRAMMING LAB | 18 | 45 | 2 |
| 15A81A0275 | R13201 | ENGLISH-II | 23 | 52 | 3 |
| 15A81A0275 | R13202 | MATHEMATICS-III | 29 | 38 | 3 |
| 15A81A0275 | R13204 | ENGG. CHEMISTRY | 20 | 44 | 3 |
| 15A81A0275 | R13205 | C PROGRAMMING | 22 | 11 | 0 |
| 15A81A0275 | R13210 | ENGG. MECHANICS | 29 | 44 | 3 |
| 15A81A0275 | R13212 | ELECTRICAL CIRCUITS ANALYSIS-I | 24 | 41 | 3 |
| 15A81A0275 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 40 | 2 |
| 15A81A0275 | R13217 | ENGINEERING CHEMISTRY LAB | 19 | 33 | 2 |
| 15A81A0275 | R13218 | C PROGRAMMING LAB | 16 | 38 | 2 |
| 15A81A0276 | R13201 | ENGLISH-II | 26 | 59 | 3 |
| 15A81A0276 | R13202 | MATHEMATICS-III | 28 | 42 | 3 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A0276 | R13204 | ENGG. CHEMISTRY | 20 | 24 | 3 |
| 15A81A0276 | R13205 | C PROGRAMMING | 24 | 40 | 3 |
| 15A81A0276 | R13210 | ENGG. MECHANICS | 24 | 39 | 3 |
| 15A81A0276 | R13212 | ELECTRICAL CIRCUITS ANALYSIS-I | 18 | 3 | 0 |
| 15A81A0276 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 45 | 2 |
| 15A81A0276 | R13217 | ENGINEERING CHEMISTRY LAB | 22 | 46 | 2 |
| 15A81A0276 | R13218 | C PROGRAMMING LAB | 17 | 40 | 2 |
| 15A81A0277 | R13201 | ENGLISH-II | 25 | 42 | 3 |
| 15A81A0277 | R13202 | MATHEMATICS-III | 28 | 48 | 3 |
| 15A81A0277 | R13204 | ENGG. CHEMISTRY | 23 | 30 | 3 |
| 15A81A0277 | R13205 | C PROGRAMMING | 25 | 46 | 3 |
| 15A81A0277 | R13210 | ENGG. MECHANICS | 28 | 32 | 3 |
| 15A81A0277 | R13212 | ELECTRICAL CIRCUITS ANALYSIS-I | 24 | 2 | 0 |
| 15A81A0277 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 41 | 2 |
| 15A81A0277 | R13217 | ENGINEERING CHEMISTRY LAB | 19 | 39 | 2 |
| 15A81A0277 | R13218 | C PROGRAMMING LAB | 19 | 40 | 2 |
| 15A81A0278 | R13201 | ENGLISH-II | 23 | 35 | 3 |
| 15A81A0278 | R13202 | MATHEMATICS-III | 29 | 41 | 3 |
| 15A81A0278 | R13204 | ENGG. CHEMISTRY | 22 | 35 | 3 |
| 15A81A0278 | R13205 | C PROGRAMMING | 24 | 40 | 3 |
| 15A81A0278 | R13210 | ENGG. MECHANICS | 24 | 41 | 3 |
| 15A81A0278 | R13212 | ELECTRICAL CIRCUITS ANALYSIS-I | 22 | 30 | 3 |
| 15A81A0278 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 43 | 2 |
| 15A81A0278 | R13217 | ENGINEERING CHEMISTRY LAB | 19 | 25 | 2 |
| 15A81A0278 | R13218 | C PROGRAMMING LAB | 17 | 42 | 2 |
| 15A81A0279 | R13201 | ENGLISH-II | 24 | 45 | 3 |
| 15A81A0279 | R13202 | MATHEMATICS-III | 25 | 13 | 0 |
| 15A81A0279 | R13204 | ENGG. CHEMISTRY | 14 | 42 | 3 |
| 15A81A0279 | R13205 | C PROGRAMMING | 22 | 19 | 0 |
| 15A81A0279 | R13210 | ENGG. MECHANICS | 27 | 29 | 3 |
| 15A81A0279 | R13212 | ELECTRICAL CIRCUITS ANALYSIS-I | 19 | 24 | 3 |
| 15A81A0279 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 19 | 40 | 2 |
| 15A81A0279 | R13217 | ENGINEERING CHEMISTRY LAB | 19 | 40 | 2 |
| 15A81A0279 | R13218 | C PROGRAMMING LAB | 16 | 42 | 2 |
| 15A81A0280 | R13201 | ENGLISH-II | 18 | 39 | 3 |
| 15A81A0280 | R13202 | MATHEMATICS-III | 16 | 11 | 0 |
| 15A81A0280 | R13204 | ENGG. CHEMISTRY | 12 | 19 | 0 |
| 15A81A0280 | R13205 | C PROGRAMMING | 13 | 12 | 0 |
| 15A81A0280 | R13210 | ENGG. MECHANICS | 19 | 7 | 0 |
| 15A81A0280 | R13212 | ELECTRICAL CIRCUITS ANALYSIS-I | 17 | 0 | 0 |
| 15A81A0280 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 19 | 39 | 2 |
| 15A81A0280 | R13217 | ENGINEERING CHEMISTRY LAB | 15 | 25 | 2 |
| 15A81A0280 | R13218 | C PROGRAMMING LAB | 12 | 20 | 2 |
| 15A81A0301 | R13201 | ENGLISH-II | 25 | 26 | 3 |
| 15A81A0301 | R13202 | MATHEMATICS-III | 21 | 36 | 3 |
| 15A81A0301 | R13203 | ENGG. PHYSICS | 24 | 46 | 3 |
| 15A81A0301 | R13207 | MATHEMATICS-II (MM) | 24 | 36 | 3 |
| 15A81A0301 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 26 | 29 | 3 |
| 15A81A0301 | R13209 | ENGG. DRAWING | 28 | 24 | 3 |
| 15A81A0301 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 38 | 2 |
| 15A81A0301 | R13214 | ENGINEERING PHYSICS LAB | 18 | 33 | 2 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A0301 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 21 | 37 | 2 |
| 15A81A0302 | R13201 | ENGLISH-II | 26 | 52 | 3 |
| 15A81A0302 | R13202 | MATHEMATICS-III | 27 | 52 | 3 |
| 15A81A0302 | R13203 | ENGG. PHYSICS | 29 | 41 | 3 |
| 15A81A0302 | R13207 | MATHEMATICS-II (MM) | 28 | 64 | 3 |
| 15A81A0302 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 28 | 37 | 3 |
| 15A81A0302 | R13209 | ENGG. DRAWING | 30 | 24 | 3 |
| 15A81A0302 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 24 | 48 | 2 |
| 15A81A0302 | R13214 | ENGINEERING PHYSICS LAB | 19 | 36 | 2 |
| 15A81A0302 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 24 | 42 | 2 |
| 15A81A0303 | R13201 | ENGLISH-II | 24 | 32 | 3 |
| 15A81A0303 | R13202 | MATHEMATICS-III | 23 | 30 | 3 |
| 15A81A0303 | R13203 | ENGG. PHYSICS | 17 | 24 | 3 |
| 15A81A0303 | R13207 | MATHEMATICS-II (MM) | 25 | 12 | 0 |
| 15A81A0303 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 21 | 27 | 3 |
| 15A81A0303 | R13209 | ENGG. DRAWING | 28 | 55 | 3 |
| 15A81A0303 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 18 | 36 | 2 |
| 15A81A0303 | R13214 | ENGINEERING PHYSICS LAB | 16 | 36 | 2 |
| 15A81A0303 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 18 | 34 | 2 |
| 15A81A0304 | R13201 | ENGLISH-II | 26 | 35 | 3 |
| 15A81A0304 | R13202 | MATHEMATICS-III | 27 | 43 | 3 |
| 15A81A0304 | R13203 | ENGG. PHYSICS | 26 | 48 | 3 |
| 15A81A0304 | R13207 | MATHEMATICS-II (MM) | 27 | 62 | 3 |
| 15A81A0304 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 25 | 39 | 3 |
| 15A81A0304 | R13209 | ENGG. DRAWING | 29 | 60 | 3 |
| 15A81A0304 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 23 | 44 | 2 |
| 15A81A0304 | R13214 | ENGINEERING PHYSICS LAB | 21 | 43 | 2 |
| 15A81A0304 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 23 | 45 | 2 |
| 15A81A0305 | R13201 | ENGLISH-II | 23 | 26 | 3 |
| 15A81A0305 | R13202 | MATHEMATICS-III | 22 | 24 | 3 |
| 15A81A0305 | R13203 | ENGG. PHYSICS | 23 | 35 | 3 |
| 15A81A0305 | R13207 | MATHEMATICS-II (MM) | 27 | 49 | 3 |
| 15A81A0305 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 22 | 24 | 3 |
| 15A81A0305 | R13209 | ENGG. DRAWING | 28 | 10 | 0 |
| 15A81A0305 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 36 | 2 |
| 15A81A0305 | R13214 | ENGINEERING PHYSICS LAB | 17 | 29 | 2 |
| 15A81A0305 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 21 | 37 | 2 |
| 15A81A0306 | R13201 | ENGLISH-II | 27 | 55 | 3 |
| 15A81A0306 | R13202 | MATHEMATICS-III | 23 | 33 | 3 |
| 15A81A0306 | R13203 | ENGG. PHYSICS | 27 | 24 | 3 |
| 15A81A0306 | R13207 | MATHEMATICS-II (MM) | 27 | 49 | 3 |
| 15A81A0306 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 28 | 49 | 3 |
| 15A81A0306 | R13209 | ENGG. DRAWING | 26 | 24 | 3 |
| 15A81A0306 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 48 | 2 |
| 15A81A0306 | R13214 | ENGINEERING PHYSICS LAB | 18 | 41 | 2 |
| 15A81A0306 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 23 | 43 | 2 |
| 15A81A0307 | R13201 | ENGLISH-II | 18 | 37 | 3 |
| 15A81A0307 | R13202 | MATHEMATICS-III | 19 | 16 | 0 |
| 15A81A0307 | R13203 | ENGG. PHYSICS | 17 | 0 | 0 |
| 15A81A0307 | R13207 | MATHEMATICS-II (MM) | 18 | 6 | 0 |
| 15A81A0307 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 19 | 24 | 3 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A0307 | R13209 | ENGG. DRAWING | 20 | 0 | 0 |
| 15A81A0307 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 19 | 38 | 2 |
| 15A81A0307 | R13214 | ENGINEERING PHYSICS LAB | 15 | 33 | 2 |
| 15A81A0307 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 20 | 35 | 2 |
| 15A81A0308 | R13201 | ENGLISH-II | 23 | 34 | 3 |
| 15A81A0308 | R13202 | MATHEMATICS-III | 20 | 0 | 0 |
| 15A81A0308 | R13203 | ENGG. PHYSICS | 21 | 35 | 3 |
| 15A81A0308 | R13207 | MATHEMATICS-II (MM) | 14 | 13 | 0 |
| 15A81A0308 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 19 | 32 | 3 |
| 15A81A0308 | R13209 | ENGG. DRAWING | 23 | 0 | 0 |
| 15A81A0308 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 39 | 2 |
| 15A81A0308 | R13214 | ENGINEERING PHYSICS LAB | 17 | 38 | 2 |
| 15A81A0308 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 13 | 40 | 2 |
| 15A81A0309 | R13201 | ENGLISH-II | 22 | 32 | 3 |
| 15A81A0309 | R13202 | MATHEMATICS-III | 17 | 10 | 0 |
| 15A81A0309 | R13203 | ENGG. PHYSICS | 23 | 8 | 0 |
| 15A81A0309 | R13207 | MATHEMATICS-II (MM) | 14 | 27 | 3 |
| 15A81A0309 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 25 | 25 | 3 |
| 15A81A0309 | R13209 | ENGG. DRAWING | 22 | 10 | 0 |
| 15A81A0309 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 17 | 35 | 2 |
| 15A81A0309 | R13214 | ENGINEERING PHYSICS LAB | 18 | 36 | 2 |
| 15A81A0309 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 21 | 37 | 2 |
| 15A81A0310 | R13201 | ENGLISH-II | 22 | 51 | 3 |
| 15A81A0310 | R13202 | MATHEMATICS-III | 21 | 6 | 0 |
| 15A81A0310 | R13203 | ENGG. PHYSICS | 23 | 0 | 0 |
| 15A81A0310 | R13207 | MATHEMATICS-II (MM) | 17 | 43 | 3 |
| 15A81A0310 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 26 | 33 | 3 |
| 15A81A0310 | R13209 | ENGG. DRAWING | 19 | 0 | 0 |
| 15A81A0310 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 41 | 2 |
| 15A81A0310 | R13214 | ENGINEERING PHYSICS LAB | 16 | 29 | 2 |
| 15A81A0310 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 21 | 32 | 2 |
| 15A81A0311 | R13201 | ENGLISH-II | 21 | 34 | 3 |
| 15A81A0311 | R13202 | MATHEMATICS-III | 22 | 9 | 0 |
| 15A81A0311 | R13203 | ENGG. PHYSICS | 25 | 4 | 0 |
| 15A81A0311 | R13207 | MATHEMATICS-II (MM) | 20 | 14 | 0 |
| 15A81A0311 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 22 | 28 | 3 |
| 15A81A0311 | R13209 | ENGG. DRAWING | 23 | 10 | 0 |
| 15A81A0311 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 19 | 47 | 2 |
| 15A81A0311 | R13214 | ENGINEERING PHYSICS LAB | 21 | 42 | 2 |
| 15A81A0311 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 18 | 32 | 2 |
| 15A81A0312 | R13201 | ENGLISH-II | 17 | 22 | 0 |
| 15A81A0312 | R13202 | MATHEMATICS-III | 17 | 9 | 0 |
| 15A81A0312 | R13203 | ENGG. PHYSICS | 16 | 4 | 0 |
| 15A81A0312 | R13207 | MATHEMATICS-II (MM) | 20 | 8 | 0 |
| 15A81A0312 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 18 | 14 | 0 |
| 15A81A0312 | R13209 | ENGG. DRAWING | 20 | 12 | 0 |
| 15A81A0312 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 18 | 41 | 2 |
| 15A81A0312 | R13214 | ENGINEERING PHYSICS LAB | 15 | 33 | 2 |
| 15A81A0312 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 20 | 35 | 2 |
| 15A81A0313 | R13201 | ENGLISH-II | 21 | 24 | 3 |
| 15A81A0313 | R13202 | MATHEMATICS-III | 26 | 31 | 3 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A0313 | R13203 | ENGG. PHYSICS | 24 | 8 | 0 |
| 15A81A0313 | R13207 | MATHEMATICS-II (MM) | 23 | 29 | 3 |
| 15A81A0313 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 21 | 17 | 0 |
| 15A81A0313 | R13209 | ENGG. DRAWING | 24 | 32 | 3 |
| 15A81A0313 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 42 | 2 |
| 15A81A0313 | R13214 | ENGINEERING PHYSICS LAB | 19 | 42 | 2 |
| 15A81A0313 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 22 | 43 | 2 |
| 15A81A0314 | R13201 | ENGLISH-II | 25 | 54 | 3 |
| 15A81A0314 | R13202 | MATHEMATICS-III | 26 | 46 | 3 |
| 15A81A0314 | R13203 | ENGG. PHYSICS | 30 | 31 | 3 |
| 15A81A0314 | R13207 | MATHEMATICS-II (MM) | 24 | 49 | 3 |
| 15A81A0314 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 29 | 42 | 3 |
| 15A81A0314 | R13209 | ENGG. DRAWING | 27 | 24 | 3 |
| 15A81A0314 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 23 | 47 | 2 |
| 15A81A0314 | R13214 | ENGINEERING PHYSICS LAB | 22 | 39 | 2 |
| 15A81A0314 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 23 | 47 | 2 |
| 15A81A0315 | R13201 | ENGLISH-II | 25 | 48 | 3 |
| 15A81A0315 | R13202 | MATHEMATICS-III | 30 | 56 | 3 |
| 15A81A0315 | R13203 | ENGG. PHYSICS | 28 | 33 | 3 |
| 15A81A0315 | R13207 | MATHEMATICS-II (MM) | 27 | 63 | 3 |
| 15A81A0315 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 30 | 56 | 3 |
| 15A81A0315 | R13209 | ENGG. DRAWING | 30 | 45 | 3 |
| 15A81A0315 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 43 | 2 |
| 15A81A0315 | R13214 | ENGINEERING PHYSICS LAB | 19 | 36 | 2 |
| 15A81A0315 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 24 | 48 | 2 |
| 15A81A0316 | R13201 | ENGLISH-II | 24 | 45 | 3 |
| 15A81A0316 | R13202 | MATHEMATICS-III | 25 | 55 | 3 |
| 15A81A0316 | R13203 | ENGG. PHYSICS | 25 | 46 | 3 |
| 15A81A0316 | R13207 | MATHEMATICS-II (MM) | 28 | 57 | 3 |
| 15A81A0316 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 29 | 45 | 3 |
| 15A81A0316 | R13209 | ENGG. DRAWING | 28 | 10 | 0 |
| 15A81A0316 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 45 | 2 |
| 15A81A0316 | R13214 | ENGINEERING PHYSICS LAB | 25 | 43 | 2 |
| 15A81A0316 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 24 | 48 | 2 |
| 15A81A0317 | R13201 | ENGLISH-II | 23 | 36 | 3 |
| 15A81A0317 | R13202 | MATHEMATICS-III | 23 | 9 | 0 |
| 15A81A0317 | R13203 | ENGG. PHYSICS | 22 | 10 | 0 |
| 15A81A0317 | R13207 | MATHEMATICS-II (MM) | 13 | 15 | 0 |
| 15A81A0317 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 24 | 25 | 3 |
| 15A81A0317 | R13209 | ENGG. DRAWING | 25 | 24 | 3 |
| 15A81A0317 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 42 | 2 |
| 15A81A0317 | R13214 | ENGINEERING PHYSICS LAB | 15 | 35 | 2 |
| 15A81A0317 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 21 | 40 | 2 |
| 15A81A0318 | R13201 | ENGLISH-II | 20 | 42 | 3 |
| 15A81A0318 | R13202 | MATHEMATICS-III | 21 | 5 | 0 |
| 15A81A0318 | R13203 | ENGG. PHYSICS | 22 | 2 | 0 |
| 15A81A0318 | R13207 | MATHEMATICS-II (MM) | 15 | 26 | 3 |
| 15A81A0318 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 24 | 29 | 3 |
| 15A81A0318 | R13209 | ENGG. DRAWING | 23 | 9 | 0 |
| 15A81A0318 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 18 | 37 | 2 |
| 15A81A0318 | R13214 | ENGINEERING PHYSICS LAB | 16 | 30 | 2 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A0318 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 21 | 35 | 2 |
| 15A81A0319 | R13201 | ENGLISH-II | 22 | 43 | 3 |
| 15A81A0319 | R13202 | MATHEMATICS-III | 19 | 41 | 3 |
| 15A81A0319 | R13203 | ENGG. PHYSICS | 22 | 5 | 0 |
| 15A81A0319 | R13207 | MATHEMATICS-II (MM) | 19 | 26 | 3 |
| 15A81A0319 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 19 | 54 | 3 |
| 15A81A0319 | R13209 | ENGG. DRAWING | 23 | 29 | 3 |
| 15A81A0319 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 19 | 44 | 2 |
| 15A81A0319 | R13214 | ENGINEERING PHYSICS LAB | 16 | 37 | 2 |
| 15A81A0319 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 21 | 40 | 2 |
| 15A81A0320 | R13201 | ENGLISH-II | 25 | 44 | 3 |
| 15A81A0320 | R13202 | MATHEMATICS-III | 23 | 54 | 3 |
| 15A81A0320 | R13203 | ENGG. PHYSICS | 27 | 62 | 3 |
| 15A81A0320 | R13207 | MATHEMATICS-II (MM) | 25 | 44 | 3 |
| 15A81A0320 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 29 | 55 | 3 |
| 15A81A0320 | R13209 | ENGG. DRAWING | 24 | 24 | 3 |
| 15A81A0320 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 24 | 45 | 2 |
| 15A81A0320 | R13214 | ENGINEERING PHYSICS LAB | 21 | 46 | 2 |
| 15A81A0320 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 20 | 44 | 2 |
| 15A81A0321 | R13201 | ENGLISH-II | 24 | 30 | 3 |
| 15A81A0321 | R13202 | MATHEMATICS-III | 24 | 9 | 0 |
| 15A81A0321 | R13203 | ENGG. PHYSICS | 25 | 8 | 0 |
| 15A81A0321 | R13207 | MATHEMATICS-II (MM) | 17 | 35 | 3 |
| 15A81A0321 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 24 | 26 | 3 |
| 15A81A0321 | R13209 | ENGG. DRAWING | 20 | 24 | 3 |
| 15A81A0321 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 41 | 2 |
| 15A81A0321 | R13214 | ENGINEERING PHYSICS LAB | 21 | 40 | 2 |
| 15A81A0321 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 21 | 39 | 2 |
| 15A81A0322 | R13201 | ENGLISH-II | 23 | 43 | 3 |
| 15A81A0322 | R13202 | MATHEMATICS-III | 28 | 25 | 3 |
| 15A81A0322 | R13203 | ENGG. PHYSICS | 21 | 3 | 0 |
| 15A81A0322 | R13207 | MATHEMATICS-II (MM) | 20 | 25 | 3 |
| 15A81A0322 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 26 | 13 | 0 |
| 15A81A0322 | R13209 | ENGG. DRAWING | 23 | 3 | 0 |
| 15A81A0322 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 19 | 40 | 2 |
| 15A81A0322 | R13214 | ENGINEERING PHYSICS LAB | 19 | 41 | 2 |
| 15A81A0322 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 20 | 37 | 2 |
| 15A81A0323 | R13201 | ENGLISH-II | 23 | 53 | 3 |
| 15A81A0323 | R13202 | MATHEMATICS-III | 22 | 27 | 3 |
| 15A81A0323 | R13203 | ENGG. PHYSICS | 20 | 4 | 0 |
| 15A81A0323 | R13207 | MATHEMATICS-II (MM) | 21 | 25 | 3 |
| 15A81A0323 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 24 | 42 | 3 |
| 15A81A0323 | R13209 | ENGG. DRAWING | 19 | 4 | 0 |
| 15A81A0323 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 44 | 2 |
| 15A81A0323 | R13214 | ENGINEERING PHYSICS LAB | 19 | 37 | 2 |
| 15A81A0323 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 20 | 37 | 2 |
| 15A81A0324 | R13201 | ENGLISH-II | 24 | 37 | 3 |
| 15A81A0324 | R13202 | MATHEMATICS-III | 22 | 27 | 3 |
| 15A81A0324 | R13203 | ENGG. PHYSICS | 25 | 28 | 3 |
| 15A81A0324 | R13207 | MATHEMATICS-II (MM) | 20 | 33 | 3 |
| 15A81A0324 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 25 | 32 | 3 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A0324 | R13209 | ENGG. DRAWING | 28 | 40 | 3 |
| 15A81A0324 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 23 | 48 | 2 |
| 15A81A0324 | R13214 | ENGINEERING PHYSICS LAB | 25 | 41 | 2 |
| 15A81A0324 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 23 | 48 | 2 |
| 15A81A0325 | R13201 | ENGLISH-II | 23 | 26 | 3 |
| 15A81A0325 | R13202 | MATHEMATICS-III | 23 | 3 | 0 |
| 15A81A0325 | R13203 | ENGG. PHYSICS | 21 | 0 | 0 |
| 15A81A0325 | R13207 | MATHEMATICS-II (MM) | 20 | 27 | 3 |
| 15A81A0325 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 23 | 29 | 3 |
| 15A81A0325 | R13209 | ENGG. DRAWING | 21 | 5 | 0 |
| 15A81A0325 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 19 | 41 | 2 |
| 15A81A0325 | R13214 | ENGINEERING PHYSICS LAB | 20 | 46 | 2 |
| 15A81A0325 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 20 | 34 | 2 |
| 15A81A0326 | R13201 | ENGLISH-II | 23 | 49 | 3 |
| 15A81A0326 | R13202 | MATHEMATICS-III | 22 | 26 | 3 |
| 15A81A0326 | R13203 | ENGG. PHYSICS | 24 | 4 | 0 |
| 15A81A0326 | R13207 | MATHEMATICS-II (MM) | 24 | 36 | 3 |
| 15A81A0326 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 25 | 46 | 3 |
| 15A81A0326 | R13209 | ENGG. DRAWING | 24 | 24 | 3 |
| 15A81A0326 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 41 | 2 |
| 15A81A0326 | R13214 | ENGINEERING PHYSICS LAB | 25 | 38 | 2 |
| 15A81A0326 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 20 | 44 | 2 |
| 15A81A0327 | R13201 | ENGLISH-II | 23 | 45 | 3 |
| 15A81A0327 | R13202 | MATHEMATICS-III | 28 | 33 | 3 |
| 15A81A0327 | R13203 | ENGG. PHYSICS | 27 | 13 | 0 |
| 15A81A0327 | R13207 | MATHEMATICS-II (MM) | 24 | 33 | 3 |
| 15A81A0327 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 28 | 53 | 3 |
| 15A81A0327 | R13209 | ENGG. DRAWING | 29 | 39 | 3 |
| 15A81A0327 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 42 | 2 |
| 15A81A0327 | R13214 | ENGINEERING PHYSICS LAB | 22 | 46 | 2 |
| 15A81A0327 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 23 | 44 | 2 |
| 15A81A0328 | R13201 | ENGLISH-II | 23 | 32 | 3 |
| 15A81A0328 | R13202 | MATHEMATICS-III | 28 | 44 | 3 |
| 15A81A0328 | R13203 | ENGG. PHYSICS | 25 | 43 | 3 |
| 15A81A0328 | R13207 | MATHEMATICS-II (MM) | 23 | 54 | 3 |
| 15A81A0328 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 29 | 42 | 3 |
| 15A81A0328 | R13209 | ENGG. DRAWING | 27 | 30 | 3 |
| 15A81A0328 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 40 | 2 |
| 15A81A0328 | R13214 | ENGINEERING PHYSICS LAB | 19 | 38 | 2 |
| 15A81A0328 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 22 | 40 | 2 |
| 15A81A0329 | R13201 | ENGLISH-II | 24 | 31 | 3 |
| 15A81A0329 | R13202 | MATHEMATICS-III | 23 | 30 | 3 |
| 15A81A0329 | R13203 | ENGG. PHYSICS | 26 | 35 | 3 |
| 15A81A0329 | R13207 | MATHEMATICS-II (MM) | 20 | 48 | 3 |
| 15A81A0329 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 27 | 31 | 3 |
| 15A81A0329 | R13209 | ENGG. DRAWING | 26 | 24 | 3 |
| 15A81A0329 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 43 | 2 |
| 15A81A0329 | R13214 | ENGINEERING PHYSICS LAB | 21 | 36 | 2 |
| 15A81A0329 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 20 | 38 | 2 |
| 15A81A0330 | R13201 | ENGLISH-II | 26 | 54 | 3 |
| 15A81A0330 | R13202 | MATHEMATICS-III | 24 | 47 | 3 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A0330 | R13203 | ENGG. PHYSICS | 27 | 32 | 3 |
| 15A81A0330 | R13207 | MATHEMATICS-II (MM) | 22 | 50 | 3 |
| 15A81A0330 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 29 | 45 | 3 |
| 15A81A0330 | R13209 | ENGG. DRAWING | 26 | 31 | 3 |
| 15A81A0330 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 24 | 45 | 2 |
| 15A81A0330 | R13214 | ENGINEERING PHYSICS LAB | 20 | 44 | 2 |
| 15A81A0330 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 22 | 41 | 2 |
| 15A81A0331 | R13201 | ENGLISH-II | 19 | 38 | 3 |
| 15A81A0331 | R13202 | MATHEMATICS-III | 16 | 8 | 0 |
| 15A81A0331 | R13203 | ENGG. PHYSICS | 18 | 0 | 0 |
| 15A81A0331 | R13207 | MATHEMATICS-II (MM) | 16 | -1 | 0 |
| 15A81A0331 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 19 | 37 | 3 |
| 15A81A0331 | R13209 | ENGG. DRAWING | 18 | -1 | 0 |
| 15A81A0331 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 13 | -1 | 0 |
| 15A81A0331 | R13214 | ENGINEERING PHYSICS LAB | 12 | -1 | 0 |
| 15A81A0331 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 13 | -1 | 0 |
| 15A81A0332 | R13201 | ENGLISH-II | 19 | 35 | 3 |
| 15A81A0332 | R13202 | MATHEMATICS-III | 23 | 48 | 3 |
| 15A81A0332 | R13203 | ENGG. PHYSICS | 19 | 35 | 3 |
| 15A81A0332 | R13207 | MATHEMATICS-II (MM) | 20 | 40 | 3 |
| 15A81A0332 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 21 | 33 | 3 |
| 15A81A0332 | R13209 | ENGG. DRAWING | 30 | 56 | 3 |
| 15A81A0332 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 41 | 2 |
| 15A81A0332 | R13214 | ENGINEERING PHYSICS LAB | 21 | 47 | 2 |
| 15A81A0332 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 22 | 35 | 2 |
| 15A81A0333 | R13201 | ENGLISH-II | 26 | 35 | 3 |
| 15A81A0333 | R13202 | MATHEMATICS-III | 20 | 11 | 0 |
| 15A81A0333 | R13203 | ENGG. PHYSICS | 23 | 0 | 0 |
| 15A81A0333 | R13207 | MATHEMATICS-II (MM) | 21 | 47 | 3 |
| 15A81A0333 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 28 | 25 | 3 |
| 15A81A0333 | R13209 | ENGG. DRAWING | 30 | 70 | 3 |
| 15A81A0333 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 23 | 47 | 2 |
| 15A81A0333 | R13214 | ENGINEERING PHYSICS LAB | 20 | 44 | 2 |
| 15A81A0333 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 21 | 43 | 2 |
| 15A81A0334 | R13201 | ENGLISH-II | 24 | 50 | 3 |
| 15A81A0334 | R13202 | MATHEMATICS-III | 26 | 32 | 3 |
| 15A81A0334 | R13203 | ENGG. PHYSICS | 26 | 8 | 0 |
| 15A81A0334 | R13207 | MATHEMATICS-II (MM) | 24 | 47 | 3 |
| 15A81A0334 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 27 | 51 | 3 |
| 15A81A0334 | R13209 | ENGG. DRAWING | 24 | 2 | 0 |
| 15A81A0334 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 45 | 2 |
| 15A81A0334 | R13214 | ENGINEERING PHYSICS LAB | 20 | 33 | 2 |
| 15A81A0334 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 22 | 42 | 2 |
| 15A81A0335 | R13201 | ENGLISH-II | 24 | 62 | 3 |
| 15A81A0335 | R13202 | MATHEMATICS-III | 26 | 46 | 3 |
| 15A81A0335 | R13203 | ENGG. PHYSICS | 27 | 11 | 0 |
| 15A81A0335 | R13207 | MATHEMATICS-II (MM) | 27 | 43 | 3 |
| 15A81A0335 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 28 | 50 | 3 |
| 15A81A0335 | R13209 | ENGG. DRAWING | 27 | 41 | 3 |
| 15A81A0335 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 42 | 2 |
| 15A81A0335 | R13214 | ENGINEERING PHYSICS LAB | 15 | 36 | 2 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A0335 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 22 | 43 | 2 |
| 15A81A0336 | R13201 | ENGLISH-II | 25 | 38 | 3 |
| 15A81A0336 | R13202 | MATHEMATICS-III | 23 | 37 | 3 |
| 15A81A0336 | R13203 | ENGG. PHYSICS | 23 | 39 | 3 |
| 15A81A0336 | R13207 | MATHEMATICS-II (MM) | 17 | 31 | 3 |
| 15A81A0336 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 25 | 30 | 3 |
| 15A81A0336 | R13209 | ENGG. DRAWING | 26 | 28 | 3 |
| 15A81A0336 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 19 | 41 | 2 |
| 15A81A0336 | R13214 | ENGINEERING PHYSICS LAB | 14 | 36 | 2 |
| 15A81A0336 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 17 | 29 | 2 |
| 15A81A0338 | R13201 | ENGLISH-II | 22 | 33 | 3 |
| 15A81A0338 | R13202 | MATHEMATICS-III | 21 | 12 | 0 |
| 15A81A0338 | R13203 | ENGG. PHYSICS | 23 | 11 | 0 |
| 15A81A0338 | R13207 | MATHEMATICS-II (MM) | 16 | 29 | 3 |
| 15A81A0338 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 27 | 25 | 3 |
| 15A81A0338 | R13209 | ENGG. DRAWING | 21 | 24 | 3 |
| 15A81A0338 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 40 | 2 |
| 15A81A0338 | R13214 | ENGINEERING PHYSICS LAB | 20 | 38 | 2 |
| 15A81A0338 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 20 | 24 | 2 |
| 15A81A0339 | R13201 | ENGLISH-II | 24 | 46 | 3 |
| 15A81A0339 | R13202 | MATHEMATICS-III | 24 | 25 | 3 |
| 15A81A0339 | R13203 | ENGG. PHYSICS | 23 | 3 | 0 |
| 15A81A0339 | R13207 | MATHEMATICS-II (MM) | 14 | 33 | 3 |
| 15A81A0339 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 27 | 36 | 3 |
| 15A81A0339 | R13209 | ENGG. DRAWING | 28 | 9 | 0 |
| 15A81A0339 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 40 | 2 |
| 15A81A0339 | R13214 | ENGINEERING PHYSICS LAB | 21 | 35 | 2 |
| 15A81A0339 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 20 | 39 | 2 |
| 15A81A0340 | R13201 | ENGLISH-II | 27 | 60 | 3 |
| 15A81A0340 | R13202 | MATHEMATICS-III | 27 | 58 | 3 |
| 15A81A0340 | R13203 | ENGG. PHYSICS | 27 | 28 | 3 |
| 15A81A0340 | R13207 | MATHEMATICS-II (MM) | 28 | 58 | 3 |
| 15A81A0340 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 29 | 46 | 3 |
| 15A81A0340 | R13209 | ENGG. DRAWING | 29 | 59 | 3 |
| 15A81A0340 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 24 | 48 | 2 |
| 15A81A0340 | R13214 | ENGINEERING PHYSICS LAB | 25 | 50 | 2 |
| 15A81A0340 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 24 | 46 | 2 |
| 15A81A0341 | R13201 | ENGLISH-II | 22 | 38 | 3 |
| 15A81A0341 | R13202 | MATHEMATICS-III | 11 | 10 | 0 |
| 15A81A0341 | R13203 | ENGG. PHYSICS | 13 | 27 | 3 |
| 15A81A0341 | R13207 | MATHEMATICS-II (MM) | 10 | 4 | 0 |
| 15A81A0341 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 20 | 35 | 3 |
| 15A81A0341 | R13209 | ENGG. DRAWING | 19 | 6 | 0 |
| 15A81A0341 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 40 | 2 |
| 15A81A0341 | R13214 | ENGINEERING PHYSICS LAB | 17 | 39 | 2 |
| 15A81A0341 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 21 | 25 | 2 |
| 15A81A0342 | R13201 | ENGLISH-II | 26 | 34 | 3 |
| 15A81A0342 | R13202 | MATHEMATICS-III | 24 | 31 | 3 |
| 15A81A0342 | R13203 | ENGG. PHYSICS | 23 | 28 | 3 |
| 15A81A0342 | R13207 | MATHEMATICS-II (MM) | 25 | 56 | 3 |
| 15A81A0342 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 27 | 25 | 3 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A0342 | R13209 | ENGG. DRAWING | 27 | 41 | 3 |
| 15A81A0342 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 24 | 48 | 2 |
| 15A81A0342 | R13214 | ENGINEERING PHYSICS LAB | 16 | 41 | 2 |
| 15A81A0342 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 20 | 36 | 2 |
| 15A81A0343 | R13201 | ENGLISH-II | 26 | 50 | 3 |
| 15A81A0343 | R13202 | MATHEMATICS-III | 29 | 46 | 3 |
| 15A81A0343 | R13203 | ENGG. PHYSICS | 24 | 32 | 3 |
| 15A81A0343 | R13207 | MATHEMATICS-II (MM) | 27 | 44 | 3 |
| 15A81A0343 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 29 | 24 | 3 |
| 15A81A0343 | R13209 | ENGG. DRAWING | 29 | 24 | 3 |
| 15A81A0343 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 24 | 47 | 2 |
| 15A81A0343 | R13214 | ENGINEERING PHYSICS LAB | 20 | 40 | 2 |
| 15A81A0343 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 20 | 43 | 2 |
| 15A81A0344 | R13201 | ENGLISH-II | 23 | 40 | 3 |
| 15A81A0344 | R13202 | MATHEMATICS-III | 26 | 37 | 3 |
| 15A81A0344 | R13203 | ENGG. PHYSICS | 27 | 24 | 3 |
| 15A81A0344 | R13207 | MATHEMATICS-II (MM) | 22 | 36 | 3 |
| 15A81A0344 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 25 | 51 | 3 |
| 15A81A0344 | R13209 | ENGG. DRAWING | 27 | 36 | 3 |
| 15A81A0344 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 44 | 2 |
| 15A81A0344 | R13214 | ENGINEERING PHYSICS LAB | 22 | 35 | 2 |
| 15A81A0344 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 22 | 41 | 2 |
| 15A81A0345 | R13201 | ENGLISH-II | 22 | 38 | 3 |
| 15A81A0345 | R13202 | MATHEMATICS-III | 27 | 51 | 3 |
| 15A81A0345 | R13203 | ENGG. PHYSICS | 26 | 50 | 3 |
| 15A81A0345 | R13207 | MATHEMATICS-II (MM) | 27 | 54 | 3 |
| 15A81A0345 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 25 | 43 | 3 |
| 15A81A0345 | R13209 | ENGG. DRAWING | 28 | 36 | 3 |
| 15A81A0345 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 44 | 2 |
| 15A81A0345 | R13214 | ENGINEERING PHYSICS LAB | 21 | 38 | 2 |
| 15A81A0345 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 22 | 38 | 2 |
| 15A81A0346 | R13201 | ENGLISH-II | 20 | 44 | 3 |
| 15A81A0346 | R13202 | MATHEMATICS-III | 28 | 36 | 3 |
| 15A81A0346 | R13203 | ENGG. PHYSICS | 24 | 46 | 3 |
| 15A81A0346 | R13207 | MATHEMATICS-II (MM) | 24 | 57 | 3 |
| 15A81A0346 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 26 | 35 | 3 |
| 15A81A0346 | R13209 | ENGG. DRAWING | 28 | 33 | 3 |
| 15A81A0346 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 47 | 2 |
| 15A81A0346 | R13214 | ENGINEERING PHYSICS LAB | 16 | 39 | 2 |
| 15A81A0346 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 20 | 43 | 2 |
| 15A81A0347 | R13201 | ENGLISH-II | 23 | 57 | 3 |
| 15A81A0347 | R13202 | MATHEMATICS-III | 26 | 44 | 3 |
| 15A81A0347 | R13203 | ENGG. PHYSICS | 26 | 31 | 3 |
| 15A81A0347 | R13207 | MATHEMATICS-II (MM) | 28 | 40 | 3 |
| 15A81A0347 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 25 | 33 | 3 |
| 15A81A0347 | R13209 | ENGG. DRAWING | 27 | 46 | 3 |
| 15A81A0347 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 40 | 2 |
| 15A81A0347 | R13214 | ENGINEERING PHYSICS LAB | 16 | 37 | 2 |
| 15A81A0347 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 22 | 41 | 2 |
| 15A81A0348 | R13201 | ENGLISH-II | 23 | 34 | 3 |
| 15A81A0348 | R13202 | MATHEMATICS-III | 25 | 29 | 3 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A0348 | R13203 | ENGG. PHYSICS | 22 | 5 | 0 |
| 15A81A0348 | R13207 | MATHEMATICS-II (MM) | 25 | 26 | 3 |
| 15A81A0348 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 27 | 44 | 3 |
| 15A81A0348 | R13209 | ENGG. DRAWING | 28 | 49 | 3 |
| 15A81A0348 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 44 | 2 |
| 15A81A0348 | R13214 | ENGINEERING PHYSICS LAB | 17 | 38 | 2 |
| 15A81A0348 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 21 | 42 | 2 |
| 15A81A0349 | R13201 | ENGLISH-II | 25 | 40 | 3 |
| 15A81A0349 | R13202 | MATHEMATICS-III | 26 | 43 | 3 |
| 15A81A0349 | R13203 | ENGG. PHYSICS | 27 | 42 | 3 |
| 15A81A0349 | R13207 | MATHEMATICS-II (MM) | 21 | 36 | 3 |
| 15A81A0349 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 30 | 58 | 3 |
| 15A81A0349 | R13209 | ENGG. DRAWING | 25 | 26 | 3 |
| 15A81A0349 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 44 | 2 |
| 15A81A0349 | R13214 | ENGINEERING PHYSICS LAB | 16 | 36 | 2 |
| 15A81A0349 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 22 | 39 | 2 |
| 15A81A0351 | R13201 | ENGLISH-II | 24 | 32 | 3 |
| 15A81A0351 | R13202 | MATHEMATICS-III | 23 | 33 | 3 |
| 15A81A0351 | R13203 | ENGG. PHYSICS | 20 | 24 | 3 |
| 15A81A0351 | R13207 | MATHEMATICS-II (MM) | 15 | 29 | 3 |
| 15A81A0351 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 21 | 33 | 3 |
| 15A81A0351 | R13209 | ENGG. DRAWING | 25 | 69 | 3 |
| 15A81A0351 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 19 | 42 | 2 |
| 15A81A0351 | R13214 | ENGINEERING PHYSICS LAB | 16 | 34 | 2 |
| 15A81A0351 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 20 | 40 | 2 |
| 15A81A0352 | R13201 | ENGLISH-II | 17 | 52 | 3 |
| 15A81A0352 | R13202 | MATHEMATICS-III | 16 | 7 | 0 |
| 15A81A0352 | R13203 | ENGG. PHYSICS | 13 | 1 | 0 |
| 15A81A0352 | R13207 | MATHEMATICS-II (MM) | 14 | 16 | 0 |
| 15A81A0352 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 19 | 16 | 0 |
| 15A81A0352 | R13209 | ENGG. DRAWING | 17 | 6 | 0 |
| 15A81A0352 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 42 | 2 |
| 15A81A0352 | R13214 | ENGINEERING PHYSICS LAB | 13 | 29 | 2 |
| 15A81A0352 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 22 | 25 | 2 |
| 15A81A0353 | R13201 | ENGLISH-II | 21 | 47 | 3 |
| 15A81A0353 | R13202 | MATHEMATICS-III | 26 | 42 | 3 |
| 15A81A0353 | R13203 | ENGG. PHYSICS | 26 | 13 | 0 |
| 15A81A0353 | R13207 | MATHEMATICS-II (MM) | 24 | 39 | 3 |
| 15A81A0353 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 23 | 50 | 3 |
| 15A81A0353 | R13209 | ENGG. DRAWING | 27 | 37 | 3 |
| 15A81A0353 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 45 | 2 |
| 15A81A0353 | R13214 | ENGINEERING PHYSICS LAB | 19 | 34 | 2 |
| 15A81A0353 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 21 | 44 | 2 |
| 15A81A0354 | R13201 | ENGLISH-II | 16 | 30 | 3 |
| 15A81A0354 | R13202 | MATHEMATICS-III | 15 | 14 | 0 |
| 15A81A0354 | R13203 | ENGG. PHYSICS | 17 | 37 | 3 |
| 15A81A0354 | R13207 | MATHEMATICS-II (MM) | 11 | 14 | 0 |
| 15A81A0354 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 21 | 32 | 3 |
| 15A81A0354 | R13209 | ENGG. DRAWING | 20 | 28 | 3 |
| 15A81A0354 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 18 | 41 | 2 |
| 15A81A0354 | R13214 | ENGINEERING PHYSICS LAB | 19 | 39 | 2 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A0354 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 20 | 29 | 2 |
| 15A81A0355 | R13201 | ENGLISH-II | 22 | 35 | 3 |
| 15A81A0355 | R13202 | MATHEMATICS-III | 21 | -1 | 0 |
| 15A81A0355 | R13203 | ENGG. PHYSICS | 25 | 36 | 3 |
| 15A81A0355 | R13207 | MATHEMATICS-II (MM) | 25 | 53 | 3 |
| 15A81A0355 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 29 | 32 | 3 |
| 15A81A0355 | R13209 | ENGG. DRAWING | 27 | 11 | 0 |
| 15A81A0355 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 42 | 2 |
| 15A81A0355 | R13214 | ENGINEERING PHYSICS LAB | 16 | 36 | 2 |
| 15A81A0355 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 21 | 36 | 2 |
| 15A81A0356 | R13201 | ENGLISH-II | 26 | 55 | 3 |
| 15A81A0356 | R13202 | MATHEMATICS-III | 24 | 52 | 3 |
| 15A81A0356 | R13203 | ENGG. PHYSICS | 25 | 24 | 3 |
| 15A81A0356 | R13207 | MATHEMATICS-II (MM) | 27 | 38 | 3 |
| 15A81A0356 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 29 | 36 | 3 |
| 15A81A0356 | R13209 | ENGG. DRAWING | 29 | 62 | 3 |
| 15A81A0356 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 42 | 2 |
| 15A81A0356 | R13214 | ENGINEERING PHYSICS LAB | 18 | 39 | 2 |
| 15A81A0356 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 23 | 44 | 2 |
| 15A81A0357 | R13201 | ENGLISH-II | 18 | 32 | 3 |
| 15A81A0357 | R13202 | MATHEMATICS-III | 18 | 10 | 0 |
| 15A81A0357 | R13203 | ENGG. PHYSICS | 20 | 6 | 0 |
| 15A81A0357 | R13207 | MATHEMATICS-II (MM) | 13 | 12 | 0 |
| 15A81A0357 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 21 | 30 | 3 |
| 15A81A0357 | R13209 | ENGG. DRAWING | 20 | 6 | 0 |
| 15A81A0357 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 18 | 37 | 2 |
| 15A81A0357 | R13214 | ENGINEERING PHYSICS LAB | 14 | 32 | 2 |
| 15A81A0357 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 20 | 24 | 2 |
| 15A81A0358 | R13201 | ENGLISH-II | 22 | 38 | 3 |
| 15A81A0358 | R13202 | MATHEMATICS-III | 19 | 16 | 0 |
| 15A81A0358 | R13203 | ENGG. PHYSICS | 21 | 35 | 3 |
| 15A81A0358 | R13207 | MATHEMATICS-II (MM) | 14 | 32 | 3 |
| 15A81A0358 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 23 | 27 | 3 |
| 15A81A0358 | R13209 | ENGG. DRAWING | 21 | 32 | 3 |
| 15A81A0358 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 42 | 2 |
| 15A81A0358 | R13214 | ENGINEERING PHYSICS LAB | 16 | 40 | 2 |
| 15A81A0358 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 22 | 29 | 2 |
| 15A81A0359 | R13201 | ENGLISH-II | 20 | 35 | 3 |
| 15A81A0359 | R13202 | MATHEMATICS-III | 18 | 2 | 0 |
| 15A81A0359 | R13203 | ENGG. PHYSICS | 13 | 0 | 0 |
| 15A81A0359 | R13207 | MATHEMATICS-II (MM) | 12 | 5 | 0 |
| 15A81A0359 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 20 | 13 | 0 |
| 15A81A0359 | R13209 | ENGG. DRAWING | 20 | 1 | 0 |
| 15A81A0359 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 19 | 42 | 2 |
| 15A81A0359 | R13214 | ENGINEERING PHYSICS LAB | 15 | 30 | 2 |
| 15A81A0359 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 20 | 25 | 2 |
| 15A81A0360 | R13201 | ENGLISH-II | 27 | 56 | 3 |
| 15A81A0360 | R13202 | MATHEMATICS-III | 25 | 36 | 3 |
| 15A81A0360 | R13203 | ENGG. PHYSICS | 29 | 31 | 3 |
| 15A81A0360 | R13207 | MATHEMATICS-II (MM) | 24 | 42 | 3 |
| 15A81A0360 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 26 | 50 | 3 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A0360 | R13209 | ENGG. DRAWING | 28 | 29 | 3 |
| 15A81A0360 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 45 | 2 |
| 15A81A0360 | R13214 | ENGINEERING PHYSICS LAB | 19 | 39 | 2 |
| 15A81A0360 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 22 | 44 | 2 |
| 15A81A0362 | R13201 | ENGLISH-II | 18 | 31 | 3 |
| 15A81A0362 | R13202 | MATHEMATICS-III | 16 | 27 | 3 |
| 15A81A0362 | R13203 | ENGG. PHYSICS | 13 | 7 | 0 |
| 15A81A0362 | R13207 | MATHEMATICS-II (MM) | 16 | 16 | 0 |
| 15A81A0362 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 20 | 37 | 3 |
| 15A81A0362 | R13209 | ENGG. DRAWING | 25 | 0 | 0 |
| 15A81A0362 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 17 | 33 | 2 |
| 15A81A0362 | R13214 | ENGINEERING PHYSICS LAB | 21 | 40 | 2 |
| 15A81A0362 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 20 | 35 | 2 |
| 15A81A0363 | R13201 | ENGLISH-II | 20 | 39 | 3 |
| 15A81A0363 | R13202 | MATHEMATICS-III | 21 | 26 | 3 |
| 15A81A0363 | R13203 | ENGG. PHYSICS | 18 | 38 | 3 |
| 15A81A0363 | R13207 | MATHEMATICS-II (MM) | 18 | 32 | 3 |
| 15A81A0363 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 22 | 43 | 3 |
| 15A81A0363 | R13209 | ENGG. DRAWING | 25 | 0 | 0 |
| 15A81A0363 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 16 | 32 | 2 |
| 15A81A0363 | R13214 | ENGINEERING PHYSICS LAB | 20 | 40 | 2 |
| 15A81A0363 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 20 | 39 | 2 |
| 15A81A0364 | R13201 | ENGLISH-II | 18 | 21 | 0 |
| 15A81A0364 | R13202 | MATHEMATICS-III | 18 | 1 | 0 |
| 15A81A0364 | R13203 | ENGG. PHYSICS | 11 | 6 | 0 |
| 15A81A0364 | R13207 | MATHEMATICS-II (MM) | 14 | 18 | 0 |
| 15A81A0364 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 20 | 9 | 0 |
| 15A81A0364 | R13209 | ENGG. DRAWING | 20 | 0 | 0 |
| 15A81A0364 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 16 | 31 | 2 |
| 15A81A0364 | R13214 | ENGINEERING PHYSICS LAB | 17 | 35 | 2 |
| 15A81A0364 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 18 | 30 | 2 |
| 15A81A0365 | R13201 | ENGLISH-II | 25 | 51 | 3 |
| 15A81A0365 | R13202 | MATHEMATICS-III | 24 | 41 | 3 |
| 15A81A0365 | R13203 | ENGG. PHYSICS | 23 | 5 | 0 |
| 15A81A0365 | R13207 | MATHEMATICS-II (MM) | 18 | 38 | 3 |
| 15A81A0365 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 21 | 35 | 3 |
| 15A81A0365 | R13209 | ENGG. DRAWING | 27 | 9 | 0 |
| 15A81A0365 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 41 | 2 |
| 15A81A0365 | R13214 | ENGINEERING PHYSICS LAB | 22 | 42 | 2 |
| 15A81A0365 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 20 | 42 | 2 |
| 15A81A0366 | R13201 | ENGLISH-II | 26 | 43 | 3 |
| 15A81A0366 | R13202 | MATHEMATICS-III | 26 | 39 | 3 |
| 15A81A0366 | R13203 | ENGG. PHYSICS | 28 | 10 | 0 |
| 15A81A0366 | R13207 | MATHEMATICS-II (MM) | 27 | 55 | 3 |
| 15A81A0366 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 25 | 28 | 3 |
| 15A81A0366 | R13209 | ENGG. DRAWING | 23 | 8 | 0 |
| 15A81A0366 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 42 | 2 |
| 15A81A0366 | R13214 | ENGINEERING PHYSICS LAB | 22 | 41 | 2 |
| 15A81A0366 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 15 | 36 | 2 |
| 15A81A0367 | R13201 | ENGLISH-II | 13 | 27 | 3 |
| 15A81A0367 | R13202 | MATHEMATICS-III | 14 | 9 | 0 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A0367 | R13203 | ENGG. PHYSICS | 12 | 4 | 0 |
| 15A81A0367 | R13207 | MATHEMATICS-II (MM) | 14 | 13 | 0 |
| 15A81A0367 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 14 | 35 | 3 |
| 15A81A0367 | R13209 | ENGG. DRAWING | 19 | 0 | 0 |
| 15A81A0367 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 14 | 25 | 2 |
| 15A81A0367 | R13214 | ENGINEERING PHYSICS LAB | 13 | 25 | 2 |
| 15A81A0367 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 14 | 27 | 2 |
| 15A81A0368 | R13201 | ENGLISH-II | 17 | 35 | 3 |
| 15A81A0368 | R13202 | MATHEMATICS-III | 17 | 13 | 0 |
| 15A81A0368 | R13203 | ENGG. PHYSICS | 15 | 8 | 0 |
| 15A81A0368 | R13207 | MATHEMATICS-II (MM) | 19 | 15 | 0 |
| 15A81A0368 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 18 | 28 | 3 |
| 15A81A0368 | R13209 | ENGG. DRAWING | 18 | 0 | 0 |
| 15A81A0368 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 15 | 34 | 2 |
| 15A81A0368 | R13214 | ENGINEERING PHYSICS LAB | 13 | 25 | 2 |
| 15A81A0368 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 16 | 30 | 2 |
| 15A81A0369 | R13201 | ENGLISH-II | 22 | 55 | 3 |
| 15A81A0369 | R13202 | MATHEMATICS-III | 18 | 17 | 0 |
| 15A81A0369 | R13203 | ENGG. PHYSICS | 19 | 9 | 0 |
| 15A81A0369 | R13207 | MATHEMATICS-II (MM) | 22 | 31 | 3 |
| 15A81A0369 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 25 | 24 | 3 |
| 15A81A0369 | R13209 | ENGG. DRAWING | 29 | 34 | 3 |
| 15A81A0369 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 17 | 31 | 2 |
| 15A81A0369 | R13214 | ENGINEERING PHYSICS LAB | 20 | 39 | 2 |
| 15A81A0369 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 24 | 44 | 2 |
| 15A81A0370 | R13201 | ENGLISH-II | 21 | 40 | 3 |
| 15A81A0370 | R13202 | MATHEMATICS-III | 20 | 28 | 3 |
| 15A81A0370 | R13203 | ENGG. PHYSICS | 18 | 6 | 0 |
| 15A81A0370 | R13207 | MATHEMATICS-II (MM) | 15 | 25 | 3 |
| 15A81A0370 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 22 | 37 | 3 |
| 15A81A0370 | R13209 | ENGG. DRAWING | 24 | 0 | 0 |
| 15A81A0370 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 17 | 33 | 2 |
| 15A81A0370 | R13214 | ENGINEERING PHYSICS LAB | 20 | 40 | 2 |
| 15A81A0370 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 20 | 44 | 2 |
| 15A81A0373 | R13201 | ENGLISH-II | 27 | 46 | 3 |
| 15A81A0373 | R13202 | MATHEMATICS-III | 25 | 57 | 3 |
| 15A81A0373 | R13203 | ENGG. PHYSICS | 24 | 43 | 3 |
| 15A81A0373 | R13207 | MATHEMATICS-II (MM) | 22 | 56 | 3 |
| 15A81A0373 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 28 | 37 | 3 |
| 15A81A0373 | R13209 | ENGG. DRAWING | 28 | 27 | 3 |
| 15A81A0373 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 24 | 48 | 2 |
| 15A81A0373 | R13214 | ENGINEERING PHYSICS LAB | 22 | 40 | 2 |
| 15A81A0373 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 25 | 49 | 2 |
| 15A81A0374 | R13201 | ENGLISH-II | 22 | 25 | 3 |
| 15A81A0374 | R13202 | MATHEMATICS-III | 19 | 26 | 3 |
| 15A81A0374 | R13203 | ENGG. PHYSICS | 22 | 6 | 0 |
| 15A81A0374 | R13207 | MATHEMATICS-II (MM) | 18 | 27 | 3 |
| 15A81A0374 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 25 | 17 | 0 |
| 15A81A0374 | R13209 | ENGG. DRAWING | 29 | 24 | 3 |
| 15A81A0374 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 16 | 34 | 2 |
| 15A81A0374 | R13214 | ENGINEERING PHYSICS LAB | 21 | 39 | 2 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A0374 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 23 | 38 | 2 |
| 15A81A0375 | R13201 | ENGLISH-II | 20 | 48 | 3 |
| 15A81A0375 | R13202 | MATHEMATICS-III | 16 | 7 | 0 |
| 15A81A0375 | R13203 | ENGG. PHYSICS | 19 | 24 | 3 |
| 15A81A0375 | R13207 | MATHEMATICS-II (MM) | 21 | 14 | 0 |
| 15A81A0375 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 19 | 29 | 3 |
| 15A81A0375 | R13209 | ENGG. DRAWING | 20 | 2 | 0 |
| 15A81A0375 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 16 | 35 | 2 |
| 15A81A0375 | R13214 | ENGINEERING PHYSICS LAB | 18 | 34 | 2 |
| 15A81A0375 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 16 | 37 | 2 |
| 15A81A0376 | R13201 | ENGLISH-II | 19 | 54 | 3 |
| 15A81A0376 | R13202 | MATHEMATICS-III | 19 | 39 | 3 |
| 15A81A0376 | R13203 | ENGG. PHYSICS | 19 | 7 | 0 |
| 15A81A0376 | R13207 | MATHEMATICS-II (MM) | 18 | 25 | 3 |
| 15A81A0376 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 23 | 39 | 3 |
| 15A81A0376 | R13209 | ENGG. DRAWING | 22 | 4 | 0 |
| 15A81A0376 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 15 | 27 | 2 |
| 15A81A0376 | R13214 | ENGINEERING PHYSICS LAB | 15 | 30 | 2 |
| 15A81A0376 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 20 | 30 | 2 |
| 15A81A0377 | R13201 | ENGLISH-II | 21 | 37 | 3 |
| 15A81A0377 | R13202 | MATHEMATICS-III | 18 | 40 | 3 |
| 15A81A0377 | R13203 | ENGG. PHYSICS | 20 | 35 | 3 |
| 15A81A0377 | R13207 | MATHEMATICS-II (MM) | 18 | 33 | 3 |
| 15A81A0377 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 22 | 36 | 3 |
| 15A81A0377 | R13209 | ENGG. DRAWING | 24 | 0 | 0 |
| 15A81A0377 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 18 | 31 | 2 |
| 15A81A0377 | R13214 | ENGINEERING PHYSICS LAB | 16 | 32 | 2 |
| 15A81A0377 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 21 | 31 | 2 |
| 15A81A0378 | R13201 | ENGLISH-II | 25 | 31 | 3 |
| 15A81A0378 | R13202 | MATHEMATICS-III | 26 | 65 | 3 |
| 15A81A0378 | R13203 | ENGG. PHYSICS | 26 | 50 | 3 |
| 15A81A0378 | R13207 | MATHEMATICS-II (MM) | 28 | 58 | 3 |
| 15A81A0378 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 25 | 30 | 3 |
| 15A81A0378 | R13209 | ENGG. DRAWING | 29 | 33 | 3 |
| 15A81A0378 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 19 | 39 | 2 |
| 15A81A0378 | R13214 | ENGINEERING PHYSICS LAB | 23 | 42 | 2 |
| 15A81A0378 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 23 | 42 | 2 |
| 15A81A0379 | R13201 | ENGLISH-II | 23 | 37 | 3 |
| 15A81A0379 | R13202 | MATHEMATICS-III | 20 | 34 | 3 |
| 15A81A0379 | R13203 | ENGG. PHYSICS | 21 | 1 | 0 |
| 15A81A0379 | R13207 | MATHEMATICS-II (MM) | 23 | 25 | 3 |
| 15A81A0379 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 24 | 35 | 3 |
| 15A81A0379 | R13209 | ENGG. DRAWING | 26 | 24 | 3 |
| 15A81A0379 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 16 | 36 | 2 |
| 15A81A0379 | R13214 | ENGINEERING PHYSICS LAB | 23 | 32 | 2 |
| 15A81A0379 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 21 | 32 | 2 |
| 15A81A0380 | R13201 | ENGLISH-II | 22 | 54 | 3 |
| 15A81A0380 | R13202 | MATHEMATICS-III | 19 | 28 | 3 |
| 15A81A0380 | R13203 | ENGG. PHYSICS | 26 | 30 | 3 |
| 15A81A0380 | R13207 | MATHEMATICS-II (MM) | 23 | 41 | 3 |
| 15A81A0380 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 27 | 56 | 3 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A0380 | R13209 | ENGG. DRAWING | 29 | 8 | 0 |
| 15A81A0380 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 44 | 2 |
| 15A81A0380 | R13214 | ENGINEERING PHYSICS LAB | 23 | 44 | 2 |
| 15A81A0380 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 20 | 34 | 2 |
| 15A81A0381 | R13201 | ENGLISH-II | 22 | 41 | 3 |
| 15A81A0381 | R13202 | MATHEMATICS-III | 24 | 40 | 3 |
| 15A81A0381 | R13203 | ENGG. PHYSICS | 20 | 35 | 3 |
| 15A81A0381 | R13207 | MATHEMATICS-II (MM) | 17 | 47 | 3 |
| 15A81A0381 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 24 | 35 | 3 |
| 15A81A0381 | R13209 | ENGG. DRAWING | 29 | 12 | 0 |
| 15A81A0381 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 15 | 33 | 2 |
| 15A81A0381 | R13214 | ENGINEERING PHYSICS LAB | 19 | 41 | 2 |
| 15A81A0381 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 22 | 37 | 2 |
| 15A81A0382 | R13201 | ENGLISH-II | 22 | 34 | 3 |
| 15A81A0382 | R13202 | MATHEMATICS-III | 16 | 4 | 0 |
| 15A81A0382 | R13203 | ENGG. PHYSICS | 17 | 0 | 0 |
| 15A81A0382 | R13207 | MATHEMATICS-II (MM) | 17 | 32 | 3 |
| 15A81A0382 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 22 | 30 | 3 |
| 15A81A0382 | R13209 | ENGG. DRAWING | 24 | 24 | 3 |
| 15A81A0382 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 15 | 42 | 2 |
| 15A81A0382 | R13214 | ENGINEERING PHYSICS LAB | 22 | 43 | 2 |
| 15A81A0382 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 15 | 38 | 2 |
| 15A81A0383 | R13201 | ENGLISH-II | 16 | 33 | 3 |
| 15A81A0383 | R13202 | MATHEMATICS-III | 21 | 4 | 0 |
| 15A81A0383 | R13203 | ENGG. PHYSICS | 14 | 5 | 0 |
| 15A81A0383 | R13207 | MATHEMATICS-II (MM) | 19 | 16 | 0 |
| 15A81A0383 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 17 | 8 | 0 |
| 15A81A0383 | R13209 | ENGG. DRAWING | 24 | 24 | 3 |
| 15A81A0383 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 16 | 28 | 2 |
| 15A81A0383 | R13214 | ENGINEERING PHYSICS LAB | 13 | 26 | 2 |
| 15A81A0383 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 12 | 31 | 2 |
| 15A81A0384 | R13201 | ENGLISH-II | 21 | 34 | 3 |
| 15A81A0384 | R13202 | MATHEMATICS-III | 23 | 33 | 3 |
| 15A81A0384 | R13203 | ENGG. PHYSICS | 22 | 11 | 0 |
| 15A81A0384 | R13207 | MATHEMATICS-II (MM) | 18 | 30 | 3 |
| 15A81A0384 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 22 | 39 | 3 |
| 15A81A0384 | R13209 | ENGG. DRAWING | 25 | 43 | 3 |
| 15A81A0384 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 37 | 2 |
| 15A81A0384 | R13214 | ENGINEERING PHYSICS LAB | 22 | 40 | 2 |
| 15A81A0384 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 18 | 38 | 2 |
| 15A81A0385 | R13201 | ENGLISH-II | 19 | 31 | 3 |
| 15A81A0385 | R13202 | MATHEMATICS-III | 17 | 17 | 0 |
| 15A81A0385 | R13203 | ENGG. PHYSICS | 14 | 0 | 0 |
| 15A81A0385 | R13207 | MATHEMATICS-II (MM) | 20 | 29 | 3 |
| 15A81A0385 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 21 | 33 | 3 |
| 15A81A0385 | R13209 | ENGG. DRAWING | 21 | 6 | 0 |
| 15A81A0385 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 17 | -1 | 0 |
| 15A81A0385 | R13214 | ENGINEERING PHYSICS LAB | 16 | -1 | 0 |
| 15A81A0385 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 17 | 30 | 2 |
| 15A81A0386 | R13201 | ENGLISH-II | 27 | 37 | 3 |
| 15A81A0386 | R13202 | MATHEMATICS-III | 29 | 63 | 3 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A0386 | R13203 | ENGG. PHYSICS | 28 | 64 | 3 |
| 15A81A0386 | R13207 | MATHEMATICS-II (MM) | 27 | 62 | 3 |
| 15A81A0386 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 29 | 31 | 3 |
| 15A81A0386 | R13209 | ENGG. DRAWING | 30 | 33 | 3 |
| 15A81A0386 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 24 | 49 | 2 |
| 15A81A0386 | R13214 | ENGINEERING PHYSICS LAB | 24 | 46 | 2 |
| 15A81A0386 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 25 | 48 | 2 |
| 15A81A0387 | R13201 | ENGLISH-II | 23 | 41 | 3 |
| 15A81A0387 | R13202 | MATHEMATICS-III | 16 | 15 | 0 |
| 15A81A0387 | R13203 | ENGG. PHYSICS | 25 | 7 | 0 |
| 15A81A0387 | R13207 | MATHEMATICS-II (MM) | 20 | 33 | 3 |
| 15A81A0387 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 22 | 24 | 3 |
| 15A81A0387 | R13209 | ENGG. DRAWING | 26 | 24 | 3 |
| 15A81A0387 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 18 | 35 | 2 |
| 15A81A0387 | R13214 | ENGINEERING PHYSICS LAB | 17 | 24 | 2 |
| 15A81A0387 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 16 | 30 | 2 |
| 15A81A0388 | R13201 | ENGLISH-II | 20 | 39 | 3 |
| 15A81A0388 | R13202 | MATHEMATICS-III | 16 | 8 | 0 |
| 15A81A0388 | R13203 | ENGG. PHYSICS | 16 | 0 | 0 |
| 15A81A0388 | R13207 | MATHEMATICS-II (MM) | 18 | 12 | 0 |
| 15A81A0388 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 21 | 38 | 3 |
| 15A81A0388 | R13209 | ENGG. DRAWING | 23 | 0 | 0 |
| 15A81A0388 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 15 | 32 | 2 |
| 15A81A0388 | R13214 | ENGINEERING PHYSICS LAB | 15 | 30 | 2 |
| 15A81A0388 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 12 | 33 | 2 |
| 15A81A0389 | R13201 | ENGLISH-II | 20 | 42 | 3 |
| 15A81A0389 | R13202 | MATHEMATICS-III | 22 | 42 | 3 |
| 15A81A0389 | R13203 | ENGG. PHYSICS | 19 | 28 | 3 |
| 15A81A0389 | R13207 | MATHEMATICS-II (MM) | 17 | 31 | 3 |
| 15A81A0389 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 23 | 34 | 3 |
| 15A81A0389 | R13209 | ENGG. DRAWING | 27 | 36 | 3 |
| 15A81A0389 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 17 | 34 | 2 |
| 15A81A0389 | R13214 | ENGINEERING PHYSICS LAB | 23 | 46 | 2 |
| 15A81A0389 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 23 | 38 | 2 |
| 15A81A0390 | R13201 | ENGLISH-II | 16 | 30 | 3 |
| 15A81A0390 | R13202 | MATHEMATICS-III | 12 | 12 | 0 |
| 15A81A0390 | R13203 | ENGG. PHYSICS | 15 | 0 | 0 |
| 15A81A0390 | R13207 | MATHEMATICS-II (MM) | 14 | 11 | 0 |
| 15A81A0390 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 20 | 26 | 3 |
| 15A81A0390 | R13209 | ENGG. DRAWING | 21 | 24 | 3 |
| 15A81A0390 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 15 | 31 | 2 |
| 15A81A0390 | R13214 | ENGINEERING PHYSICS LAB | 13 | 28 | 2 |
| 15A81A0390 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 15 | 30 | 2 |
| 15A81A0391 | R13201 | ENGLISH-II | 24 | 49 | 3 |
| 15A81A0391 | R13202 | MATHEMATICS-III | 28 | 59 | 3 |
| 15A81A0391 | R13203 | ENGG. PHYSICS | 23 | 10 | 0 |
| 15A81A0391 | R13207 | MATHEMATICS-II (MM) | 24 | 32 | 3 |
| 15A81A0391 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 27 | 37 | 3 |
| 15A81A0391 | R13209 | ENGG. DRAWING | 29 | 26 | 3 |
| 15A81A0391 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 18 | 42 | 2 |
| 15A81A0391 | R13214 | ENGINEERING PHYSICS LAB | 21 | 42 | 2 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A0391 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 22 | 42 | 2 |
| 15A81A0392 | R13201 | ENGLISH-II | 29 | 50 | 3 |
| 15A81A0392 | R13202 | MATHEMATICS-III | 27 | 57 | 3 |
| 15A81A0392 | R13203 | ENGG. PHYSICS | 28 | 33 | 3 |
| 15A81A0392 | R13207 | MATHEMATICS-II (MM) | 26 | 47 | 3 |
| 15A81A0392 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 29 | 45 | 3 |
| 15A81A0392 | R13209 | ENGG. DRAWING | 29 | 53 | 3 |
| 15A81A0392 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 23 | 49 | 2 |
| 15A81A0392 | R13214 | ENGINEERING PHYSICS LAB | 23 | 44 | 2 |
| 15A81A0392 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 25 | 48 | 2 |
| 15A81A0393 | R13201 | ENGLISH-II | 21 | 24 | 3 |
| 15A81A0393 | R13202 | MATHEMATICS-III | 26 | 41 | 3 |
| 15A81A0393 | R13203 | ENGG. PHYSICS | 25 | 5 | 0 |
| 15A81A0393 | R13207 | MATHEMATICS-II (MM) | 24 | 45 | 3 |
| 15A81A0393 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 23 | 29 | 3 |
| 15A81A0393 | R13209 | ENGG. DRAWING | 29 | 53 | 3 |
| 15A81A0393 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 42 | 2 |
| 15A81A0393 | R13214 | ENGINEERING PHYSICS LAB | 22 | 43 | 2 |
| 15A81A0393 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 25 | 48 | 2 |
| 15A81A0394 | R13201 | ENGLISH-II | 28 | 40 | 3 |
| 15A81A0394 | R13202 | MATHEMATICS-III | 28 | 60 | 3 |
| 15A81A0394 | R13203 | ENGG. PHYSICS | 25 | 61 | 3 |
| 15A81A0394 | R13207 | MATHEMATICS-II (MM) | 25 | 55 | 3 |
| 15A81A0394 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 29 | 29 | 3 |
| 15A81A0394 | R13209 | ENGG. DRAWING | 30 | 53 | 3 |
| 15A81A0394 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 45 | 2 |
| 15A81A0394 | R13214 | ENGINEERING PHYSICS LAB | 23 | 44 | 2 |
| 15A81A0394 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 23 | 46 | 2 |
| 15A81A0395 | R13201 | ENGLISH-II | 19 | 39 | 3 |
| 15A81A0395 | R13202 | MATHEMATICS-III | 21 | 25 | 3 |
| 15A81A0395 | R13203 | ENGG. PHYSICS | 13 | 2 | 0 |
| 15A81A0395 | R13207 | MATHEMATICS-II (MM) | 20 | 14 | 0 |
| 15A81A0395 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 21 | 26 | 3 |
| 15A81A0395 | R13209 | ENGG. DRAWING | 25 | 0 | 0 |
| 15A81A0395 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 15 | 34 | 2 |
| 15A81A0395 | R13214 | ENGINEERING PHYSICS LAB | 16 | 35 | 2 |
| 15A81A0395 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 20 | 35 | 2 |
| 15A81A0396 | R13201 | ENGLISH-II | 24 | 58 | 3 |
| 15A81A0396 | R13202 | MATHEMATICS-III | 28 | 53 | 3 |
| 15A81A0396 | R13203 | ENGG. PHYSICS | 25 | 29 | 3 |
| 15A81A0396 | R13207 | MATHEMATICS-II (MM) | 25 | 35 | 3 |
| 15A81A0396 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 29 | 44 | 3 |
| 15A81A0396 | R13209 | ENGG. DRAWING | 29 | 53 | 3 |
| 15A81A0396 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 43 | 2 |
| 15A81A0396 | R13214 | ENGINEERING PHYSICS LAB | 23 | 46 | 2 |
| 15A81A0396 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 22 | 38 | 2 |
| 15A81A0397 | R13201 | ENGLISH-II | 22 | 36 | 3 |
| 15A81A0397 | R13202 | MATHEMATICS-III | 27 | 55 | 3 |
| 15A81A0397 | R13203 | ENGG. PHYSICS | 24 | 39 | 3 |
| 15A81A0397 | R13207 | MATHEMATICS-II (MM) | 24 | 40 | 3 |
| 15A81A0397 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 27 | 34 | 3 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A0397 | R13209 | ENGG. DRAWING | 29 | 24 | 3 |
| 15A81A0397 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 17 | 34 | 2 |
| 15A81A0397 | R13214 | ENGINEERING PHYSICS LAB | 22 | 44 | 2 |
| 15A81A0397 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 22 | 41 | 2 |
| 15A81A0398 | R13201 | ENGLISH-II | 29 | 46 | 3 |
| 15A81A0398 | R13202 | MATHEMATICS-III | 28 | 61 | 3 |
| 15A81A0398 | R13203 | ENGG. PHYSICS | 29 | 70 | 3 |
| 15A81A0398 | R13207 | MATHEMATICS-II (MM) | 29 | 63 | 3 |
| 15A81A0398 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 28 | 28 | 3 |
| 15A81A0398 | R13209 | ENGG. DRAWING | 29 | 36 | 3 |
| 15A81A0398 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 24 | 49 | 2 |
| 15A81A0398 | R13214 | ENGINEERING PHYSICS LAB | 23 | 47 | 2 |
| 15A81A0398 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 25 | 49 | 2 |
| 15A81A0399 | R13201 | ENGLISH-II | 26 | 49 | 3 |
| 15A81A0399 | R13202 | MATHEMATICS-III | 24 | 45 | 3 |
| 15A81A0399 | R13203 | ENGG. PHYSICS | 27 | 24 | 3 |
| 15A81A0399 | R13207 | MATHEMATICS-II (MM) | 21 | 35 | 3 |
| 15A81A0399 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 26 | 26 | 3 |
| 15A81A0399 | R13209 | ENGG. DRAWING | 24 | 4 | 0 |
| 15A81A0399 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 41 | 2 |
| 15A81A0399 | R13214 | ENGINEERING PHYSICS LAB | 23 | 47 | 2 |
| 15A81A0399 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 24 | 47 | 2 |
| 15A81A03A0 | R13201 | ENGLISH-II | 28 | 51 | 3 |
| 15A81A03A0 | R13202 | MATHEMATICS-III | 29 | 52 | 3 |
| 15A81A03A0 | R13203 | ENGG. PHYSICS | 26 | 24 | 3 |
| 15A81A03A0 | R13207 | MATHEMATICS-II (MM) | 28 | 48 | 3 |
| 15A81A03A0 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 24 | 41 | 3 |
| 15A81A03A0 | R13209 | ENGG. DRAWING | 30 | 45 | 3 |
| 15A81A03A0 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 24 | 48 | 2 |
| 15A81A03A0 | R13214 | ENGINEERING PHYSICS LAB | 23 | 46 | 2 |
| 15A81A03A0 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 25 | 49 | 2 |
| 15A81A03A1 | R13201 | ENGLISH-II | 20 | 34 | 3 |
| 15A81A03A1 | R13202 | MATHEMATICS-III | 20 | 45 | 3 |
| 15A81A03A1 | R13203 | ENGG. PHYSICS | 18 | 24 | 3 |
| 15A81A03A1 | R13207 | MATHEMATICS-II (MM) | 22 | 37 | 3 |
| 15A81A03A1 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 20 | 37 | 3 |
| 15A81A03A1 | R13209 | ENGG. DRAWING | 26 | 24 | 3 |
| 15A81A03A1 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 15 | 28 | 2 |
| 15A81A03A1 | R13214 | ENGINEERING PHYSICS LAB | 15 | 30 | 2 |
| 15A81A03A1 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 21 | 33 | 2 |
| 15A81A03A2 | R13201 | ENGLISH-II | 22 | 28 | 3 |
| 15A81A03A2 | R13202 | MATHEMATICS-III | 18 | 52 | 3 |
| 15A81A03A2 | R13203 | ENGG. PHYSICS | 24 | 35 | 3 |
| 15A81A03A2 | R13207 | MATHEMATICS-II (MM) | 17 | 39 | 3 |
| 15A81A03A2 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 25 | 27 | 3 |
| 15A81A03A2 | R13209 | ENGG. DRAWING | 23 | 10 | 0 |
| 15A81A03A2 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 18 | 30 | 2 |
| 15A81A03A2 | R13214 | ENGINEERING PHYSICS LAB | 22 | 44 | 2 |
| 15A81A03A2 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 23 | 37 | 2 |
| 15A81A03A3 | R13201 | ENGLISH-II | 16 | 39 | 3 |
| 15A81A03A3 | R13202 | MATHEMATICS-III | 18 | 29 | 3 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A03A3 | R13203 | ENGG. PHYSICS | 18 | 4 | 0 |
| 15A81A03A3 | R13207 | MATHEMATICS-II (MM) | 16 | 26 | 3 |
| 15A81A03A3 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 21 | 25 | 3 |
| 15A81A03A3 | R13209 | ENGG. DRAWING | 23 | 10 | 0 |
| 15A81A03A3 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 19 | 34 | 2 |
| 15A81A03A3 | R13214 | ENGINEERING PHYSICS LAB | 18 | 37 | 2 |
| 15A81A03A3 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 21 | 35 | 2 |
| 15A81A03A4 | R13201 | ENGLISH-II | 22 | 41 | 3 |
| 15A81A03A4 | R13202 | MATHEMATICS-III | 20 | 50 | 3 |
| 15A81A03A4 | R13203 | ENGG. PHYSICS | 17 | 29 | 3 |
| 15A81A03A4 | R13207 | MATHEMATICS-II (MM) | 19 | 27 | 3 |
| 15A81A03A4 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 23 | 43 | 3 |
| 15A81A03A4 | R13209 | ENGG. DRAWING | 22 | 24 | 3 |
| 15A81A03A4 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 17 | 32 | 2 |
| 15A81A03A4 | R13214 | ENGINEERING PHYSICS LAB | 20 | 40 | 2 |
| 15A81A03A4 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 21 | 32 | 2 |
| 15A81A03A5 | R13201 | ENGLISH-II | 19 | 40 | 3 |
| 15A81A03A5 | R13202 | MATHEMATICS-III | 20 | 29 | 3 |
| 15A81A03A5 | R13203 | ENGG. PHYSICS | 16 | 7 | 0 |
| 15A81A03A5 | R13207 | MATHEMATICS-II (MM) | 18 | 15 | 0 |
| 15A81A03A5 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 24 | 33 | 3 |
| 15A81A03A5 | R13209 | ENGG. DRAWING | 23 | 0 | 0 |
| 15A81A03A5 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 16 | 30 | 2 |
| 15A81A03A5 | R13214 | ENGINEERING PHYSICS LAB | 17 | 34 | 2 |
| 15A81A03A5 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 18 | 36 | 2 |
| 15A81A03A6 | R13201 | ENGLISH-II | 21 | 39 | 3 |
| 15A81A03A6 | R13202 | MATHEMATICS-III | 24 | 40 | 3 |
| 15A81A03A6 | R13203 | ENGG. PHYSICS | 26 | 36 | 3 |
| 15A81A03A6 | R13207 | MATHEMATICS-II (MM) | 21 | 35 | 3 |
| 15A81A03A6 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 22 | 26 | 3 |
| 15A81A03A6 | R13209 | ENGG. DRAWING | 28 | 24 | 3 |
| 15A81A03A6 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 18 | 37 | 2 |
| 15A81A03A6 | R13214 | ENGINEERING PHYSICS LAB | 23 | 46 | 2 |
| 15A81A03A6 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 23 | 41 | 2 |
| 15A81A03A7 | R13201 | ENGLISH-II | 22 | 52 | 3 |
| 15A81A03A7 | R13202 | MATHEMATICS-III | 22 | 33 | 3 |
| 15A81A03A7 | R13203 | ENGG. PHYSICS | 17 | 6 | 0 |
| 15A81A03A7 | R13207 | MATHEMATICS-II (MM) | 25 | 24 | 3 |
| 15A81A03A7 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 24 | 33 | 3 |
| 15A81A03A7 | R13209 | ENGG. DRAWING | 29 | 24 | 3 |
| 15A81A03A7 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 17 | 34 | 2 |
| 15A81A03A7 | R13214 | ENGINEERING PHYSICS LAB | 19 | 41 | 2 |
| 15A81A03A7 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 21 | 39 | 2 |
| 15A81A03A8 | R13201 | ENGLISH-II | 29 | 55 | 3 |
| 15A81A03A8 | R13202 | MATHEMATICS-III | 28 | 56 | 3 |
| 15A81A03A8 | R13203 | ENGG. PHYSICS | 29 | 41 | 3 |
| 15A81A03A8 | R13207 | MATHEMATICS-II (MM) | 25 | 47 | 3 |
| 15A81A03A8 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 29 | 50 | 3 |
| 15A81A03A8 | R13209 | ENGG. DRAWING | 29 | 53 | 3 |
| 15A81A03A8 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 24 | 49 | 2 |
| 15A81A03A8 | R13214 | ENGINEERING PHYSICS LAB | 23 | 47 | 2 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A03A8 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 25 | 48 | 2 |
| 15A81A03A9 | R13201 | ENGLISH-II | 17 | 24 | 3 |
| 15A81A03A9 | R13202 | MATHEMATICS-III | 21 | 9 | 0 |
| 15A81A03A9 | R13203 | ENGG. PHYSICS | 16 | 8 | 0 |
| 15A81A03A9 | R13207 | MATHEMATICS-II (MM) | 21 | 13 | 0 |
| 15A81A03A9 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 21 | 31 | 3 |
| 15A81A03A9 | R13209 | ENGG. DRAWING | 28 | 0 | 0 |
| 15A81A03A9 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 15 | -1 | 0 |
| 15A81A03A9 | R13214 | ENGINEERING PHYSICS LAB | 16 | 30 | 2 |
| 15A81A03A9 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 20 | 39 | 2 |
| 15A81A03B0 | R13201 | ENGLISH-II | 13 | 24 | 0 |
| 15A81A03B0 | R13202 | MATHEMATICS-III | 18 | 1 | 0 |
| 15A81A03B0 | R13203 | ENGG. PHYSICS | 7 | 4 | 0 |
| 15A81A03B0 | R13207 | MATHEMATICS-II (MM) | 17 | 4 | 0 |
| 15A81A03B0 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 17 | 9 | 0 |
| 15A81A03B0 | R13209 | ENGG. DRAWING | 22 | 0 | 0 |
| 15A81A03B0 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 15 | 28 | 2 |
| 15A81A03B0 | R13214 | ENGINEERING PHYSICS LAB | 13 | 26 | 2 |
| 15A81A03B0 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 14 | 27 | 2 |
| 15A81A03B1 | R13201 | ENGLISH-II | 25 | 52 | 3 |
| 15A81A03B1 | R13202 | MATHEMATICS-III | 23 | 47 | 3 |
| 15A81A03B1 | R13203 | ENGG. PHYSICS | 21 | 9 | 0 |
| 15A81A03B1 | R13207 | MATHEMATICS-II (MM) | 25 | 33 | 3 |
| 15A81A03B1 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 26 | 55 | 3 |
| 15A81A03B1 | R13209 | ENGG. DRAWING | 28 | 38 | 3 |
| 15A81A03B1 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 42 | 2 |
| 15A81A03B1 | R13214 | ENGINEERING PHYSICS LAB | 19 | 36 | 2 |
| 15A81A03B1 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 22 | 38 | 2 |
| 15A81A03B2 | R13201 | ENGLISH-II | 20 | 43 | 3 |
| 15A81A03B2 | R13202 | MATHEMATICS-III | 26 | 25 | 3 |
| 15A81A03B2 | R13203 | ENGG. PHYSICS | 21 | 10 | 0 |
| 15A81A03B2 | R13207 | MATHEMATICS-II (MM) | 24 | 24 | 3 |
| 15A81A03B2 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 25 | 38 | 3 |
| 15A81A03B2 | R13209 | ENGG. DRAWING | 27 | 10 | 0 |
| 15A81A03B2 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 17 | 36 | 2 |
| 15A81A03B2 | R13214 | ENGINEERING PHYSICS LAB | 21 | 42 | 2 |
| 15A81A03B2 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 19 | 37 | 2 |
| 15A81A03B3 | R13201 | ENGLISH-II | 16 | 35 | 3 |
| 15A81A03B3 | R13202 | MATHEMATICS-III | 23 | 38 | 3 |
| 15A81A03B3 | R13203 | ENGG. PHYSICS | 20 | 9 | 0 |
| 15A81A03B3 | R13207 | MATHEMATICS-II (MM) | 17 | 30 | 3 |
| 15A81A03B3 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 23 | 35 | 3 |
| 15A81A03B3 | R13209 | ENGG. DRAWING | 25 | 0 | 0 |
| 15A81A03B3 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 15 | 33 | 2 |
| 15A81A03B3 | R13214 | ENGINEERING PHYSICS LAB | 13 | 20 | 2 |
| 15A81A03B3 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 15 | 29 | 2 |
| 15A81A03B4 | R13201 | ENGLISH-II | 23 | 38 | 3 |
| 15A81A03B4 | R13202 | MATHEMATICS-III | 22 | 39 | 3 |
| 15A81A03B4 | R13203 | ENGG. PHYSICS | 19 | 35 | 3 |
| 15A81A03B4 | R13207 | MATHEMATICS-II (MM) | 19 | 34 | 3 |
| 15A81A03B4 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 25 | 30 | 3 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A03B4 | R13209 | ENGG. DRAWING | 26 | 9 | 0 |
| 15A81A03B4 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 18 | 36 | 2 |
| 15A81A03B4 | R13214 | ENGINEERING PHYSICS LAB | 15 | 30 | 2 |
| 15A81A03B4 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 18 | 34 | 2 |
| 15A81A03B5 | R13201 | ENGLISH-II | 22 | 50 | 3 |
| 15A81A03B5 | R13202 | MATHEMATICS-III | 22 | 43 | 3 |
| 15A81A03B5 | R13203 | ENGG. PHYSICS | 23 | 24 | 3 |
| 15A81A03B5 | R13207 | MATHEMATICS-II (MM) | 20 | 37 | 3 |
| 15A81A03B5 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 21 | 29 | 3 |
| 15A81A03B5 | R13209 | ENGG. DRAWING | 28 | 33 | 3 |
| 15A81A03B5 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 18 | 39 | 2 |
| 15A81A03B5 | R13214 | ENGINEERING PHYSICS LAB | 16 | 32 | 2 |
| 15A81A03B5 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 17 | 34 | 2 |
| 15A81A03B6 | R13201 | ENGLISH-II | 23 | 38 | 3 |
| 15A81A03B6 | R13202 | MATHEMATICS-III | 18 | 44 | 3 |
| 15A81A03B6 | R13203 | ENGG. PHYSICS | 14 | 2 | 0 |
| 15A81A03B6 | R13207 | MATHEMATICS-II (MM) | 23 | 31 | 3 |
| 15A81A03B6 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 24 | 36 | 3 |
| 15A81A03B6 | R13209 | ENGG. DRAWING | 26 | 0 | 0 |
| 15A81A03B6 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 18 | 38 | 2 |
| 15A81A03B6 | R13214 | ENGINEERING PHYSICS LAB | 18 | 36 | 2 |
| 15A81A03B6 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 18 | 36 | 2 |
| 15A81A03B7 | R13201 | ENGLISH-II | 21 | 30 | 3 |
| 15A81A03B7 | R13202 | MATHEMATICS-III | 20 | 38 | 3 |
| 15A81A03B7 | R13203 | ENGG. PHYSICS | 23 | 24 | 3 |
| 15A81A03B7 | R13207 | MATHEMATICS-II (MM) | 23 | 33 | 3 |
| 15A81A03B7 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 23 | 33 | 3 |
| 15A81A03B7 | R13209 | ENGG. DRAWING | 28 | 36 | 3 |
| 15A81A03B7 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 39 | 2 |
| 15A81A03B7 | R13214 | ENGINEERING PHYSICS LAB | 20 | 40 | 2 |
| 15A81A03B7 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 20 | 39 | 2 |
| 15A81A03B8 | R13201 | ENGLISH-II | 13 | 21 | 0 |
| 15A81A03B8 | R13202 | MATHEMATICS-III | 19 | 5 | 0 |
| 15A81A03B8 | R13203 | ENGG. PHYSICS | 18 | 14 | 0 |
| 15A81A03B8 | R13207 | MATHEMATICS-II (MM) | 19 | 12 | 0 |
| 15A81A03B8 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 22 | 19 | 0 |
| 15A81A03B8 | R13209 | ENGG. DRAWING | 20 | 3 | 0 |
| 15A81A03B8 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 16 | 35 | 2 |
| 15A81A03B8 | R13214 | ENGINEERING PHYSICS LAB | 15 | 30 | 2 |
| 15A81A03B8 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 21 | 38 | 2 |
| 15A81A03B9 | R13201 | ENGLISH-II | 17 | 42 | 3 |
| 15A81A03B9 | R13202 | MATHEMATICS-III | 15 | 5 | 0 |
| 15A81A03B9 | R13203 | ENGG. PHYSICS | 16 | 8 | 0 |
| 15A81A03B9 | R13207 | MATHEMATICS-II (MM) | 17 | 15 | 0 |
| 15A81A03B9 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 24 | 24 | 3 |
| 15A81A03B9 | R13209 | ENGG. DRAWING | 19 | 2 | 0 |
| 15A81A03B9 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 15 | 33 | 2 |
| 15A81A03B9 | R13214 | ENGINEERING PHYSICS LAB | 13 | 28 | 2 |
| 15A81A03B9 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 17 | 36 | 2 |
| 15A81A0401 | R13201 | ENGLISH-II | 23 | 39 | 3 |
| 15A81A0401 | R13202 | MATHEMATICS-III | 22 | 40 | 3 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A0401 | R13204 | ENGG. CHEMISTRY | 19 | 11 | 0 |
| 15A81A0401 | R13205 | C PROGRAMMING | 21 | 30 | 3 |
| 15A81A0401 | R13210 | ENGG. MECHANICS | 28 | 42 | 3 |
| 15A81A0401 | R13211 | NETWORK ANALYSIS | 22 | 5 | 0 |
| 15A81A0401 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 19 | 35 | 2 |
| 15A81A0401 | R13217 | ENGINEERING CHEMISTRY LAB | 17 | 36 | 2 |
| 15A81A0401 | R13218 | C PROGRAMMING LAB | 18 | 38 | 2 |
| 15A81A0402 | R13201 | ENGLISH-II | 24 | 26 | 3 |
| 15A81A0402 | R13202 | MATHEMATICS-III | 25 | 26 | 3 |
| 15A81A0402 | R13204 | ENGG. CHEMISTRY | 21 | 7 | 0 |
| 15A81A0402 | R13205 | C PROGRAMMING | 15 | 13 | 0 |
| 15A81A0402 | R13210 | ENGG. MECHANICS | 18 | 10 | 0 |
| 15A81A0402 | R13211 | NETWORK ANALYSIS | 21 | 2 | 0 |
| 15A81A0402 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 19 | 37 | 2 |
| 15A81A0402 | R13217 | ENGINEERING CHEMISTRY LAB | 21 | 44 | 2 |
| 15A81A0402 | R13218 | C PROGRAMMING LAB | 18 | 30 | 2 |
| 15A81A0403 | R13201 | ENGLISH-II | 27 | 49 | 3 |
| 15A81A0403 | R13202 | MATHEMATICS-III | 28 | 46 | 3 |
| 15A81A0403 | R13204 | ENGG. CHEMISTRY | 22 | 51 | 3 |
| 15A81A0403 | R13205 | C PROGRAMMING | 26 | 28 | 3 |
| 15A81A0403 | R13210 | ENGG. MECHANICS | 29 | 55 | 3 |
| 15A81A0403 | R13211 | NETWORK ANALYSIS | 27 | 49 | 3 |
| 15A81A0403 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 23 | 45 | 2 |
| 15A81A0403 | R13217 | ENGINEERING CHEMISTRY LAB | 24 | 49 | 2 |
| 15A81A0403 | R13218 | C PROGRAMMING LAB | 24 | 48 | 2 |
| 15A81A0404 | R13201 | ENGLISH-II | 26 | 38 | 3 |
| 15A81A0404 | R13202 | MATHEMATICS-III | 27 | 42 | 3 |
| 15A81A0404 | R13204 | ENGG. CHEMISTRY | 20 | 3 | 0 |
| 15A81A0404 | R13205 | C PROGRAMMING | 25 | 32 | 3 |
| 15A81A0404 | R13210 | ENGG. MECHANICS | 29 | 24 | 3 |
| 15A81A0404 | R13211 | NETWORK ANALYSIS | 25 | 24 | 3 |
| 15A81A0404 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 43 | 2 |
| 15A81A0404 | R13217 | ENGINEERING CHEMISTRY LAB | 22 | 46 | 2 |
| 15A81A0404 | R13218 | C PROGRAMMING LAB | 23 | 42 | 2 |
| 15A81A0405 | R13201 | ENGLISH-II | 25 | 39 | 3 |
| 15A81A0405 | R13202 | MATHEMATICS-III | 24 | 47 | 3 |
| 15A81A0405 | R13204 | ENGG. CHEMISTRY | 24 | 26 | 3 |
| 15A81A0405 | R13205 | C PROGRAMMING | 26 | 31 | 3 |
| 15A81A0405 | R13210 | ENGG. MECHANICS | 26 | 24 | 3 |
| 15A81A0405 | R13211 | NETWORK ANALYSIS | 21 | 27 | 3 |
| 15A81A0405 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 41 | 2 |
| 15A81A0405 | R13217 | ENGINEERING CHEMISTRY LAB | 17 | 36 | 2 |
| 15A81A0405 | R13218 | C PROGRAMMING LAB | 23 | 39 | 2 |
| 15A81A0406 | R13201 | ENGLISH-II | 17 | 30 | 3 |
| 15A81A0406 | R13202 | MATHEMATICS-III | 13 | 3 | 0 |
| 15A81A0406 | R13204 | ENGG. CHEMISTRY | 7 | 1 | 0 |
| 15A81A0406 | R13205 | C PROGRAMMING | 12 | 5 | 0 |
| 15A81A0406 | R13210 | ENGG. MECHANICS | 22 | 0 | 0 |
| 15A81A0406 | R13211 | NETWORK ANALYSIS | 11 | 0 | 0 |
| 15A81A0406 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 18 | 34 | 2 |
| 15A81A0406 | R13217 | ENGINEERING CHEMISTRY LAB | 5 | 10 | 0 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A0406 | R13218 | C PROGRAMMING LAB | 19 | 20 | 2 |
| 15A81A0407 | R13201 | ENGLISH-II | 20 | 50 | 3 |
| 15A81A0407 | R13202 | MATHEMATICS-III | 17 | 13 | 0 |
| 15A81A0407 | R13204 | ENGG. CHEMISTRY | 16 | 39 | 3 |
| 15A81A0407 | R13205 | C PROGRAMMING | 20 | 12 | 0 |
| 15A81A0407 | R13210 | ENGG. MECHANICS | 23 | 32 | 3 |
| 15A81A0407 | R13211 | NETWORK ANALYSIS | 19 | 5 | 0 |
| 15A81A0407 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 41 | 2 |
| 15A81A0407 | R13217 | ENGINEERING CHEMISTRY LAB | 13 | 28 | 2 |
| 15A81A0407 | R13218 | C PROGRAMMING LAB | 22 | 43 | 2 |
| 15A81A0408 | R13201 | ENGLISH-II | 24 | 50 | 3 |
| 15A81A0408 | R13202 | MATHEMATICS-III | 29 | 65 | 3 |
| 15A81A0408 | R13204 | ENGG. CHEMISTRY | 22 | 10 | 0 |
| 15A81A0408 | R13205 | C PROGRAMMING | 27 | 38 | 3 |
| 15A81A0408 | R13210 | ENGG. MECHANICS | 28 | 30 | 3 |
| 15A81A0408 | R13211 | NETWORK ANALYSIS | 27 | 46 | 3 |
| 15A81A0408 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 44 | 2 |
| 15A81A0408 | R13217 | ENGINEERING CHEMISTRY LAB | 23 | 48 | 2 |
| 15A81A0408 | R13218 | C PROGRAMMING LAB | 24 | 48 | 2 |
| 15A81A0409 | R13201 | ENGLISH-II | 24 | 36 | 3 |
| 15A81A0409 | R13202 | MATHEMATICS-III | 21 | 38 | 3 |
| 15A81A0409 | R13204 | ENGG. CHEMISTRY | 20 | 8 | 0 |
| 15A81A0409 | R13205 | C PROGRAMMING | 21 | 36 | 3 |
| 15A81A0409 | R13210 | ENGG. MECHANICS | 24 | 6 | 0 |
| 15A81A0409 | R13211 | NETWORK ANALYSIS | 17 | 29 | 3 |
| 15A81A0409 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 39 | 2 |
| 15A81A0409 | R13217 | ENGINEERING CHEMISTRY LAB | 19 | 40 | 2 |
| 15A81A0409 | R13218 | C PROGRAMMING LAB | 22 | 39 | 2 |
| 15A81A0410 | R13201 | ENGLISH-II | 23 | 29 | 3 |
| 15A81A0410 | R13202 | MATHEMATICS-III | 26 | 43 | 3 |
| 15A81A0410 | R13204 | ENGG. CHEMISTRY | 20 | 41 | 3 |
| 15A81A0410 | R13205 | C PROGRAMMING | 22 | 26 | 3 |
| 15A81A0410 | R13210 | ENGG. MECHANICS | 30 | 24 | 3 |
| 15A81A0410 | R13211 | NETWORK ANALYSIS | 26 | 35 | 3 |
| 15A81A0410 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 19 | 41 | 2 |
| 15A81A0410 | R13217 | ENGINEERING CHEMISTRY LAB | 22 | 46 | 2 |
| 15A81A0410 | R13218 | C PROGRAMMING LAB | 23 | 48 | 2 |
| 15A81A0411 | R13201 | ENGLISH-II | 29 | 46 | 3 |
| 15A81A0411 | R13202 | MATHEMATICS-III | 28 | 54 | 3 |
| 15A81A0411 | R13204 | ENGG. CHEMISTRY | 26 | 47 | 3 |
| 15A81A0411 | R13205 | C PROGRAMMING | 28 | 30 | 3 |
| 15A81A0411 | R13210 | ENGG. MECHANICS | 30 | 44 | 3 |
| 15A81A0411 | R13211 | NETWORK ANALYSIS | 27 | 46 | 3 |
| 15A81A0411 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 23 | 46 | 2 |
| 15A81A0411 | R13217 | ENGINEERING CHEMISTRY LAB | 25 | 50 | 2 |
| 15A81A0411 | R13218 | C PROGRAMMING LAB | 24 | 50 | 2 |
| 15A81A0412 | R13201 | ENGLISH-II | 28 | 55 | 3 |
| 15A81A0412 | R13202 | MATHEMATICS-III | 28 | 61 | 3 |
| 15A81A0412 | R13204 | ENGG. CHEMISTRY | 26 | 28 | 3 |
| 15A81A0412 | R13205 | C PROGRAMMING | 27 | 70 | 3 |
| 15A81A0412 | R13210 | ENGG. MECHANICS | 30 | 33 | 3 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A0412 | R13211 | NETWORK ANALYSIS | 29 | 46 | 3 |
| 15A81A0412 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 23 | 46 | 2 |
| 15A81A0412 | R13217 | ENGINEERING CHEMISTRY LAB | 24 | 49 | 2 |
| 15A81A0412 | R13218 | C PROGRAMMING LAB | 24 | 49 | 2 |
| 15A81A0413 | R13201 | ENGLISH-II | 23 | 41 | 3 |
| 15A81A0413 | R13202 | MATHEMATICS-III | 22 | 60 | 3 |
| 15A81A0413 | R13204 | ENGG. CHEMISTRY | 20 | 26 | 3 |
| 15A81A0413 | R13205 | C PROGRAMMING | 21 | 48 | 3 |
| 15A81A0413 | R13210 | ENGG. MECHANICS | 26 | 24 | 3 |
| 15A81A0413 | R13211 | NETWORK ANALYSIS | 25 | 32 | 3 |
| 15A81A0413 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 18 | 38 | 2 |
| 15A81A0413 | R13217 | ENGINEERING CHEMISTRY LAB | 20 | 42 | 2 |
| 15A81A0413 | R13218 | C PROGRAMMING LAB | 23 | 38 | 2 |
| 15A81A0414 | R13201 | ENGLISH-II | 18 | 35 | 3 |
| 15A81A0414 | R13202 | MATHEMATICS-III | 21 | 4 | 0 |
| 15A81A0414 | R13204 | ENGG. CHEMISTRY | 16 | 31 | 3 |
| 15A81A0414 | R13205 | C PROGRAMMING | 21 | 24 | 3 |
| 15A81A0414 | R13210 | ENGG. MECHANICS | 23 | 10 | 0 |
| 15A81A0414 | R13211 | NETWORK ANALYSIS | 19 | 11 | 0 |
| 15A81A0414 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 19 | 37 | 2 |
| 15A81A0414 | R13217 | ENGINEERING CHEMISTRY LAB | 18 | 38 | 2 |
| 15A81A0414 | R13218 | C PROGRAMMING LAB | 19 | 38 | 2 |
| 15A81A0415 | R13201 | ENGLISH-II | 16 | 36 | 3 |
| 15A81A0415 | R13202 | MATHEMATICS-III | 19 | 25 | 3 |
| 15A81A0415 | R13204 | ENGG. CHEMISTRY | 11 | 15 | 0 |
| 15A81A0415 | R13205 | C PROGRAMMING | 18 | 24 | 3 |
| 15A81A0415 | R13210 | ENGG. MECHANICS | 26 | 37 | 3 |
| 15A81A0415 | R13211 | NETWORK ANALYSIS | 9 | 1 | 0 |
| 15A81A0415 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 19 | 34 | 2 |
| 15A81A0415 | R13217 | ENGINEERING CHEMISTRY LAB | 18 | 39 | 2 |
| 15A81A0415 | R13218 | C PROGRAMMING LAB | 21 | 38 | 2 |
| 15A81A0416 | R13201 | ENGLISH-II | 26 | 53 | 3 |
| 15A81A0416 | R13202 | MATHEMATICS-III | 28 | 13 | 0 |
| 15A81A0416 | R13204 | ENGG. CHEMISTRY | 21 | 27 | 3 |
| 15A81A0416 | R13205 | C PROGRAMMING | 26 | 36 | 3 |
| 15A81A0416 | R13210 | ENGG. MECHANICS | 30 | 68 | 3 |
| 15A81A0416 | R13211 | NETWORK ANALYSIS | 27 | 54 | 3 |
| 15A81A0416 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 23 | 44 | 2 |
| 15A81A0416 | R13217 | ENGINEERING CHEMISTRY LAB | 21 | 45 | 2 |
| 15A81A0416 | R13218 | C PROGRAMMING LAB | 24 | 38 | 2 |
| 15A81A0417 | R13201 | ENGLISH-II | 20 | 38 | 3 |
| 15A81A0417 | R13202 | MATHEMATICS-III | 18 | 12 | 0 |
| 15A81A0417 | R13204 | ENGG. CHEMISTRY | 16 | 7 | 0 |
| 15A81A0417 | R13205 | C PROGRAMMING | 17 | 0 | 0 |
| 15A81A0417 | R13210 | ENGG. MECHANICS | 24 | 5 | 0 |
| 15A81A0417 | R13211 | NETWORK ANALYSIS | 22 | 0 | 0 |
| 15A81A0417 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 36 | 2 |
| 15A81A0417 | R13217 | ENGINEERING CHEMISTRY LAB | 16 | 35 | 2 |
| 15A81A0417 | R13218 | C PROGRAMMING LAB | 14 | 35 | 2 |
| 15A81A0418 | R13201 | ENGLISH-II | 28 | 44 | 3 |
| 15A81A0418 | R13202 | MATHEMATICS-III | 27 | 59 | 3 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A0418 | R13204 | ENGG. CHEMISTRY | 29 | 62 | 3 |
| 15A81A0418 | R13205 | C PROGRAMMING | 26 | 46 | 3 |
| 15A81A0418 | R13210 | ENGG. MECHANICS | 30 | 44 | 3 |
| 15A81A0418 | R13211 | NETWORK ANALYSIS | 27 | 57 | 3 |
| 15A81A0418 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 43 | 2 |
| 15A81A0418 | R13217 | ENGINEERING CHEMISTRY LAB | 24 | 49 | 2 |
| 15A81A0418 | R13218 | C PROGRAMMING LAB | 23 | 49 | 2 |
| 15A81A0419 | R13201 | ENGLISH-II | 26 | 46 | 3 |
| 15A81A0419 | R13202 | MATHEMATICS-III | 28 | 58 | 3 |
| 15A81A0419 | R13204 | ENGG. CHEMISTRY | 20 | 48 | 3 |
| 15A81A0419 | R13205 | C PROGRAMMING | 24 | 30 | 3 |
| 15A81A0419 | R13210 | ENGG. MECHANICS | 27 | 28 | 3 |
| 15A81A0419 | R13211 | NETWORK ANALYSIS | 23 | 24 | 3 |
| 15A81A0419 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 43 | 2 |
| 15A81A0419 | R13217 | ENGINEERING CHEMISTRY LAB | 20 | 41 | 2 |
| 15A81A0419 | R13218 | C PROGRAMMING LAB | 23 | 38 | 2 |
| 15A81A0420 | R13201 | ENGLISH-II | 18 | 29 | 3 |
| 15A81A0420 | R13202 | MATHEMATICS-III | 19 | 10 | 0 |
| 15A81A0420 | R13204 | ENGG. CHEMISTRY | 18 | 0 | 0 |
| 15A81A0420 | R13205 | C PROGRAMMING | 20 | 4 | 0 |
| 15A81A0420 | R13210 | ENGG. MECHANICS | 27 | 0 | 0 |
| 15A81A0420 | R13211 | NETWORK ANALYSIS | 21 | 5 | 0 |
| 15A81A0420 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 18 | 37 | 2 |
| 15A81A0420 | R13217 | ENGINEERING CHEMISTRY LAB | 15 | 34 | 2 |
| 15A81A0420 | R13218 | C PROGRAMMING LAB | 20 | 40 | 2 |
| 15A81A0421 | R13201 | ENGLISH-II | 22 | 40 | 3 |
| 15A81A0421 | R13202 | MATHEMATICS-III | 20 | 35 | 3 |
| 15A81A0421 | R13204 | ENGG. CHEMISTRY | 16 | 14 | 0 |
| 15A81A0421 | R13205 | C PROGRAMMING | 21 | 28 | 3 |
| 15A81A0421 | R13210 | ENGG. MECHANICS | 24 | 9 | 0 |
| 15A81A0421 | R13211 | NETWORK ANALYSIS | 18 | 24 | 3 |
| 15A81A0421 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 39 | 2 |
| 15A81A0421 | R13217 | ENGINEERING CHEMISTRY LAB | 18 | 40 | 2 |
| 15A81A0421 | R13218 | C PROGRAMMING LAB | 21 | 38 | 2 |
| 15A81A0422 | R13201 | ENGLISH-II | 23 | 27 | 3 |
| 15A81A0422 | R13202 | MATHEMATICS-III | 29 | 53 | 3 |
| 15A81A0422 | R13204 | ENGG. CHEMISTRY | 19 | 28 | 3 |
| 15A81A0422 | R13205 | C PROGRAMMING | 24 | 29 | 3 |
| 15A81A0422 | R13210 | ENGG. MECHANICS | 29 | 24 | 3 |
| 15A81A0422 | R13211 | NETWORK ANALYSIS | 23 | 0 | 0 |
| 15A81A0422 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 38 | 2 |
| 15A81A0422 | R13217 | ENGINEERING CHEMISTRY LAB | 20 | 43 | 2 |
| 15A81A0422 | R13218 | C PROGRAMMING LAB | 20 | 39 | 2 |
| 15A81A0423 | R13201 | ENGLISH-II | 26 | 49 | 3 |
| 15A81A0423 | R13202 | MATHEMATICS-III | 29 | 42 | 3 |
| 15A81A0423 | R13204 | ENGG. CHEMISTRY | 25 | 34 | 3 |
| 15A81A0423 | R13205 | C PROGRAMMING | 25 | 41 | 3 |
| 15A81A0423 | R13210 | ENGG. MECHANICS | 30 | 32 | 3 |
| 15A81A0423 | R13211 | NETWORK ANALYSIS | 24 | 29 | 3 |
| 15A81A0423 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 40 | 2 |
| 15A81A0423 | R13217 | ENGINEERING CHEMISTRY LAB | 23 | 47 | 2 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A0423 | R13218 | C PROGRAMMING LAB | 24 | 43 | 2 |
| 15A81A0424 | R13201 | ENGLISH-II | 24 | 49 | 3 |
| 15A81A0424 | R13202 | MATHEMATICS-III | 28 | 45 | 3 |
| 15A81A0424 | R13204 | ENGG. CHEMISTRY | 23 | 31 | 3 |
| 15A81A0424 | R13205 | C PROGRAMMING | 26 | 33 | 3 |
| 15A81A0424 | R13210 | ENGG. MECHANICS | 28 | 49 | 3 |
| 15A81A0424 | R13211 | NETWORK ANALYSIS | 20 | 36 | 3 |
| 15A81A0424 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 41 | 2 |
| 15A81A0424 | R13217 | ENGINEERING CHEMISTRY LAB | 21 | 43 | 2 |
| 15A81A0424 | R13218 | C PROGRAMMING LAB | 24 | 38 | 2 |
| 15A81A0425 | R13201 | ENGLISH-II | 27 | 45 | 3 |
| 15A81A0425 | R13202 | MATHEMATICS-III | 26 | 49 | 3 |
| 15A81A0425 | R13204 | ENGG. CHEMISTRY | 21 | 24 | 3 |
| 15A81A0425 | R13205 | C PROGRAMMING | 25 | 34 | 3 |
| 15A81A0425 | R13210 | ENGG. MECHANICS | 28 | 29 | 3 |
| 15A81A0425 | R13211 | NETWORK ANALYSIS | 25 | 28 | 3 |
| 15A81A0425 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 39 | 2 |
| 15A81A0425 | R13217 | ENGINEERING CHEMISTRY LAB | 21 | 43 | 2 |
| 15A81A0425 | R13218 | C PROGRAMMING LAB | 23 | 45 | 2 |
| 15A81A0426 | R13201 | ENGLISH-II | 12 | 15 | 0 |
| 15A81A0426 | R13202 | MATHEMATICS-III | 8 | 0 | 0 |
| 15A81A0426 | R13204 | ENGG. CHEMISTRY | 7 | 11 | 0 |
| 15A81A0426 | R13205 | C PROGRAMMING | 6 | 4 | 0 |
| 15A81A0426 | R13210 | ENGG. MECHANICS | 6 | 2 | 0 |
| 15A81A0426 | R13211 | NETWORK ANALYSIS | 9 | 0 | 0 |
| 15A81A0426 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 18 | 36 | 2 |
| 15A81A0426 | R13217 | ENGINEERING CHEMISTRY LAB | 11 | 24 | 2 |
| 15A81A0426 | R13218 | C PROGRAMMING LAB | 16 | 30 | 2 |
| 15A81A0427 | R13201 | ENGLISH-II | 24 | 44 | 3 |
| 15A81A0427 | R13202 | MATHEMATICS-III | 27 | 43 | 3 |
| 15A81A0427 | R13204 | ENGG. CHEMISTRY | 17 | 42 | 3 |
| 15A81A0427 | R13205 | C PROGRAMMING | 21 | 39 | 3 |
| 15A81A0427 | R13210 | ENGG. MECHANICS | 25 | 36 | 3 |
| 15A81A0427 | R13211 | NETWORK ANALYSIS | 23 | 24 | 3 |
| 15A81A0427 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 19 | 41 | 2 |
| 15A81A0427 | R13217 | ENGINEERING CHEMISTRY LAB | 20 | 40 | 2 |
| 15A81A0427 | R13218 | C PROGRAMMING LAB | 23 | 42 | 2 |
| 15A81A0428 | R13201 | ENGLISH-II | 22 | 45 | 3 |
| 15A81A0428 | R13202 | MATHEMATICS-III | 23 | 30 | 3 |
| 15A81A0428 | R13204 | ENGG. CHEMISTRY | 22 | 31 | 3 |
| 15A81A0428 | R13205 | C PROGRAMMING | 21 | 24 | 3 |
| 15A81A0428 | R13210 | ENGG. MECHANICS | 28 | 48 | 3 |
| 15A81A0428 | R13211 | NETWORK ANALYSIS | 20 | 35 | 3 |
| 15A81A0428 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 19 | 39 | 2 |
| 15A81A0428 | R13217 | ENGINEERING CHEMISTRY LAB | 22 | 45 | 2 |
| 15A81A0428 | R13218 | C PROGRAMMING LAB | 24 | 46 | 2 |
| 15A81A0429 | R13201 | ENGLISH-II | 20 | 31 | 3 |
| 15A81A0429 | R13202 | MATHEMATICS-III | 19 | 56 | 3 |
| 15A81A0429 | R13204 | ENGG. CHEMISTRY | 19 | 24 | 3 |
| 15A81A0429 | R13205 | C PROGRAMMING | 17 | 31 | 3 |
| 15A81A0429 | R13210 | ENGG. MECHANICS | 27 | 7 | 0 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A0429 | R13211 | NETWORK ANALYSIS | 20 | 34 | 3 |
| 15A81A0429 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 19 | 36 | 2 |
| 15A81A0429 | R13217 | ENGINEERING CHEMISTRY LAB | 22 | 45 | 2 |
| 15A81A0429 | R13218 | C PROGRAMMING LAB | 21 | 38 | 2 |
| 15A81A0430 | R13201 | ENGLISH-II | 27 | 31 | 3 |
| 15A81A0430 | R13202 | MATHEMATICS-III | 30 | 34 | 3 |
| 15A81A0430 | R13204 | ENGG. CHEMISTRY | 26 | 49 | 3 |
| 15A81A0430 | R13205 | C PROGRAMMING | 23 | 30 | 3 |
| 15A81A0430 | R13210 | ENGG. MECHANICS | 28 | 24 | 3 |
| 15A81A0430 | R13211 | NETWORK ANALYSIS | 25 | 6 | 0 |
| 15A81A0430 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 44 | 2 |
| 15A81A0430 | R13217 | ENGINEERING CHEMISTRY LAB | 23 | 47 | 2 |
| 15A81A0430 | R13218 | C PROGRAMMING LAB | 23 | 45 | 2 |
| 15A81A0431 | R13201 | ENGLISH-II | 13 | 48 | 3 |
| 15A81A0431 | R13202 | MATHEMATICS-III | 16 | 25 | 3 |
| 15A81A0431 | R13204 | ENGG. CHEMISTRY | 12 | 31 | 3 |
| 15A81A0431 | R13205 | C PROGRAMMING | 18 | 46 | 3 |
| 15A81A0431 | R13210 | ENGG. MECHANICS | 25 | 29 | 3 |
| 15A81A0431 | R13211 | NETWORK ANALYSIS | 13 | 27 | 3 |
| 15A81A0431 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 19 | 32 | 2 |
| 15A81A0431 | R13217 | ENGINEERING CHEMISTRY LAB | 17 | 36 | 2 |
| 15A81A0431 | R13218 | C PROGRAMMING LAB | 21 | 38 | 2 |
| 15A81A0432 | R13201 | ENGLISH-II | 24 | 35 | 3 |
| 15A81A0432 | R13202 | MATHEMATICS-III | 20 | 24 | 3 |
| 15A81A0432 | R13204 | ENGG. CHEMISTRY | 17 | 6 | 0 |
| 15A81A0432 | R13205 | C PROGRAMMING | 20 | 5 | 0 |
| 15A81A0432 | R13210 | ENGG. MECHANICS | 21 | 34 | 3 |
| 15A81A0432 | R13211 | NETWORK ANALYSIS | 14 | 6 | 0 |
| 15A81A0432 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 44 | 2 |
| 15A81A0432 | R13217 | ENGINEERING CHEMISTRY LAB | 18 | 38 | 2 |
| 15A81A0432 | R13218 | C PROGRAMMING LAB | 21 | 38 | 2 |
| 15A81A0433 | R13201 | ENGLISH-II | 23 | 31 | 3 |
| 15A81A0433 | R13202 | MATHEMATICS-III | 28 | 41 | 3 |
| 15A81A0433 | R13204 | ENGG. CHEMISTRY | 20 | 29 | 3 |
| 15A81A0433 | R13205 | C PROGRAMMING | 20 | 30 | 3 |
| 15A81A0433 | R13210 | ENGG. MECHANICS | 27 | 24 | 3 |
| 15A81A0433 | R13211 | NETWORK ANALYSIS | 22 | 24 | 3 |
| 15A81A0433 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 43 | 2 |
| 15A81A0433 | R13217 | ENGINEERING CHEMISTRY LAB | 18 | 39 | 2 |
| 15A81A0433 | R13218 | C PROGRAMMING LAB | 21 | 40 | 2 |
| 15A81A0434 | R13201 | ENGLISH-II | 18 | 26 | 3 |
| 15A81A0434 | R13202 | MATHEMATICS-III | 12 | 13 | 0 |
| 15A81A0434 | R13204 | ENGG. CHEMISTRY | 10 | 5 | 0 |
| 15A81A0434 | R13205 | C PROGRAMMING | 10 | 10 | 0 |
| 15A81A0434 | R13210 | ENGG. MECHANICS | 18 | 0 | 0 |
| 15A81A0434 | R13211 | NETWORK ANALYSIS | 24 | 0 | 0 |
| 15A81A0434 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 39 | 2 |
| 15A81A0434 | R13217 | ENGINEERING CHEMISTRY LAB | 15 | 33 | 2 |
| 15A81A0434 | R13218 | C PROGRAMMING LAB | 18 | 40 | 2 |
| 15A81A0435 | R13201 | ENGLISH-II | 23 | 47 | 3 |
| 15A81A0435 | R13202 | MATHEMATICS-III | 28 | 55 | 3 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A0435 | R13204 | ENGG. CHEMISTRY | 25 | 53 | 3 |
| 15A81A0435 | R13205 | C PROGRAMMING | 24 | 28 | 3 |
| 15A81A0435 | R13210 | ENGG. MECHANICS | 27 | 46 | 3 |
| 15A81A0435 | R13211 | NETWORK ANALYSIS | 25 | 41 | 3 |
| 15A81A0435 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 18 | 40 | 2 |
| 15A81A0435 | R13217 | ENGINEERING CHEMISTRY LAB | 23 | 47 | 2 |
| 15A81A0435 | R13218 | C PROGRAMMING LAB | 21 | 45 | 2 |
| 15A81A0436 | R13201 | ENGLISH-II | 26 | 33 | 3 |
| 15A81A0436 | R13202 | MATHEMATICS-III | 22 | 29 | 3 |
| 15A81A0436 | R13204 | ENGG. CHEMISTRY | 20 | 12 | 0 |
| 15A81A0436 | R13205 | C PROGRAMMING | 23 | 8 | 0 |
| 15A81A0436 | R13210 | ENGG. MECHANICS | 26 | 34 | 3 |
| 15A81A0436 | R13211 | NETWORK ANALYSIS | 18 | 24 | 3 |
| 15A81A0436 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 40 | 2 |
| 15A81A0436 | R13217 | ENGINEERING CHEMISTRY LAB | 19 | 38 | 2 |
| 15A81A0436 | R13218 | C PROGRAMMING LAB | 24 | 43 | 2 |
| 15A81A0437 | R13201 | ENGLISH-II | 24 | 41 | 3 |
| 15A81A0437 | R13202 | MATHEMATICS-III | 25 | 55 | 3 |
| 15A81A0437 | R13204 | ENGG. CHEMISTRY | 23 | 26 | 3 |
| 15A81A0437 | R13205 | C PROGRAMMING | 25 | 30 | 3 |
| 15A81A0437 | R13210 | ENGG. MECHANICS | 30 | 24 | 3 |
| 15A81A0437 | R13211 | NETWORK ANALYSIS | 27 | 34 | 3 |
| 15A81A0437 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 41 | 2 |
| 15A81A0437 | R13217 | ENGINEERING CHEMISTRY LAB | 21 | 43 | 2 |
| 15A81A0437 | R13218 | C PROGRAMMING LAB | 20 | 45 | 2 |
| 15A81A0439 | R13201 | ENGLISH-II | 22 | 36 | 3 |
| 15A81A0439 | R13202 | MATHEMATICS-III | 18 | 37 | 3 |
| 15A81A0439 | R13204 | ENGG. CHEMISTRY | 14 | 29 | 3 |
| 15A81A0439 | R13205 | C PROGRAMMING | 18 | 12 | 0 |
| 15A81A0439 | R13210 | ENGG. MECHANICS | 17 | 9 | 0 |
| 15A81A0439 | R13211 | NETWORK ANALYSIS | 22 | 0 | 0 |
| 15A81A0439 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 39 | 2 |
| 15A81A0439 | R13217 | ENGINEERING CHEMISTRY LAB | 18 | 37 | 2 |
| 15A81A0439 | R13218 | C PROGRAMMING LAB | 23 | 38 | 2 |
| 15A81A0440 | R13201 | ENGLISH-II | 25 | 49 | 3 |
| 15A81A0440 | R13202 | MATHEMATICS-III | 28 | 46 | 3 |
| 15A81A0440 | R13204 | ENGG. CHEMISTRY | 22 | 36 | 3 |
| 15A81A0440 | R13205 | C PROGRAMMING | 26 | 12 | 0 |
| 15A81A0440 | R13210 | ENGG. MECHANICS | 30 | 35 | 3 |
| 15A81A0440 | R13211 | NETWORK ANALYSIS | 28 | 29 | 3 |
| 15A81A0440 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 19 | 40 | 2 |
| 15A81A0440 | R13217 | ENGINEERING CHEMISTRY LAB | 21 | 44 | 2 |
| 15A81A0440 | R13218 | C PROGRAMMING LAB | 23 | 40 | 2 |
| 15A81A0441 | R13201 | ENGLISH-II | 25 | 48 | 3 |
| 15A81A0441 | R13202 | MATHEMATICS-III | 26 | 40 | 3 |
| 15A81A0441 | R13204 | ENGG. CHEMISTRY | 21 | 30 | 3 |
| 15A81A0441 | R13205 | C PROGRAMMING | 22 | 5 | 0 |
| 15A81A0441 | R13210 | ENGG. MECHANICS | 29 | 41 | 3 |
| 15A81A0441 | R13211 | NETWORK ANALYSIS | 23 | 24 | 3 |
| 15A81A0441 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 40 | 2 |
| 15A81A0441 | R13217 | ENGINEERING CHEMISTRY LAB | 19 | 41 | 2 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A0441 | R13218 | C PROGRAMMING LAB | 23 | 42 | 2 |
| 15A81A0442 | R13201 | ENGLISH-II | 22 | 42 | 3 |
| 15A81A0442 | R13202 | MATHEMATICS-III | 24 | 62 | 3 |
| 15A81A0442 | R13204 | ENGG. CHEMISTRY | 23 | 28 | 3 |
| 15A81A0442 | R13205 | C PROGRAMMING | 21 | 31 | 3 |
| 15A81A0442 | R13210 | ENGG. MECHANICS | 28 | 24 | 3 |
| 15A81A0442 | R13211 | NETWORK ANALYSIS | 25 | 38 | 3 |
| 15A81A0442 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 40 | 2 |
| 15A81A0442 | R13217 | ENGINEERING CHEMISTRY LAB | 22 | 44 | 2 |
| 15A81A0442 | R13218 | C PROGRAMMING LAB | 23 | 38 | 2 |
| 15A81A0443 | R13201 | ENGLISH-II | 25 | 40 | 3 |
| 15A81A0443 | R13202 | MATHEMATICS-III | 21 | 44 | 3 |
| 15A81A0443 | R13204 | ENGG. CHEMISTRY | 19 | 31 | 3 |
| 15A81A0443 | R13205 | C PROGRAMMING | 25 | 42 | 3 |
| 15A81A0443 | R13210 | ENGG. MECHANICS | 21 | 44 | 3 |
| 15A81A0443 | R13211 | NETWORK ANALYSIS | 23 | 43 | 3 |
| 15A81A0443 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 40 | 2 |
| 15A81A0443 | R13217 | ENGINEERING CHEMISTRY LAB | 15 | 34 | 2 |
| 15A81A0443 | R13218 | C PROGRAMMING LAB | 20 | 41 | 2 |
| 15A81A0444 | R13201 | ENGLISH-II | 23 | 40 | 3 |
| 15A81A0444 | R13202 | MATHEMATICS-III | 24 | 31 | 3 |
| 15A81A0444 | R13204 | ENGG. CHEMISTRY | 18 | 30 | 3 |
| 15A81A0444 | R13205 | C PROGRAMMING | 16 | 33 | 3 |
| 15A81A0444 | R13210 | ENGG. MECHANICS | 22 | 39 | 3 |
| 15A81A0444 | R13211 | NETWORK ANALYSIS | 21 | 24 | 3 |
| 15A81A0444 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 40 | 2 |
| 15A81A0444 | R13217 | ENGINEERING CHEMISTRY LAB | 19 | 39 | 2 |
| 15A81A0444 | R13218 | C PROGRAMMING LAB | 19 | 44 | 2 |
| 15A81A0445 | R13201 | ENGLISH-II | 16 | 36 | 3 |
| 15A81A0445 | R13202 | MATHEMATICS-III | 12 | 9 | 0 |
| 15A81A0445 | R13204 | ENGG. CHEMISTRY | 11 | 5 | 0 |
| 15A81A0445 | R13205 | C PROGRAMMING | 11 | 3 | 0 |
| 15A81A0445 | R13210 | ENGG. MECHANICS | 11 | 12 | 0 |
| 15A81A0445 | R13211 | NETWORK ANALYSIS | 13 | 0 | 0 |
| 15A81A0445 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 40 | 2 |
| 15A81A0445 | R13217 | ENGINEERING CHEMISTRY LAB | 13 | 30 | 2 |
| 15A81A0445 | R13218 | C PROGRAMMING LAB | 14 | 36 | 2 |
| 15A81A0446 | R13201 | ENGLISH-II | 29 | 41 | 3 |
| 15A81A0446 | R13202 | MATHEMATICS-III | 21 | 40 | 3 |
| 15A81A0446 | R13204 | ENGG. CHEMISTRY | 22 | 24 | 3 |
| 15A81A0446 | R13205 | C PROGRAMMING | 19 | 26 | 3 |
| 15A81A0446 | R13210 | ENGG. MECHANICS | 28 | 4 | 0 |
| 15A81A0446 | R13211 | NETWORK ANALYSIS | 22 | 28 | 3 |
| 15A81A0446 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 40 | 2 |
| 15A81A0446 | R13217 | ENGINEERING CHEMISTRY LAB | 21 | 43 | 2 |
| 15A81A0446 | R13218 | C PROGRAMMING LAB | 23 | 43 | 2 |
| 15A81A0447 | R13201 | ENGLISH-II | 29 | 35 | 3 |
| 15A81A0447 | R13202 | MATHEMATICS-III | 25 | 55 | 3 |
| 15A81A0447 | R13204 | ENGG. CHEMISTRY | 22 | 46 | 3 |
| 15A81A0447 | R13205 | C PROGRAMMING | 25 | 44 | 3 |
| 15A81A0447 | R13210 | ENGG. MECHANICS | 26 | 24 | 3 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A0447 | R13211 | NETWORK ANALYSIS | 22 | 37 | 3 |
| 15A81A0447 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 23 | 41 | 2 |
| 15A81A0447 | R13217 | ENGINEERING CHEMISTRY LAB | 22 | 45 | 2 |
| 15A81A0447 | R13218 | C PROGRAMMING LAB | 23 | 48 | 2 |
| 15A81A0448 | R13201 | ENGLISH-II | 27 | 45 | 3 |
| 15A81A0448 | R13202 | MATHEMATICS-III | 26 | 55 | 3 |
| 15A81A0448 | R13204 | ENGG. CHEMISTRY | 25 | 60 | 3 |
| 15A81A0448 | R13205 | C PROGRAMMING | 25 | 49 | 3 |
| 15A81A0448 | R13210 | ENGG. MECHANICS | 27 | 46 | 3 |
| 15A81A0448 | R13211 | NETWORK ANALYSIS | 24 | 44 | 3 |
| 15A81A0448 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 39 | 2 |
| 15A81A0448 | R13217 | ENGINEERING CHEMISTRY LAB | 24 | 49 | 2 |
| 15A81A0448 | R13218 | C PROGRAMMING LAB | 24 | 47 | 2 |
| 15A81A0449 | R13201 | ENGLISH-II | 22 | 40 | 3 |
| 15A81A0449 | R13202 | MATHEMATICS-III | 22 | 37 | 3 |
| 15A81A0449 | R13204 | ENGG. CHEMISTRY | 17 | 10 | 0 |
| 15A81A0449 | R13205 | C PROGRAMMING | 20 | 32 | 3 |
| 15A81A0449 | R13210 | ENGG. MECHANICS | 24 | 49 | 3 |
| 15A81A0449 | R13211 | NETWORK ANALYSIS | 23 | 36 | 3 |
| 15A81A0449 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 40 | 2 |
| 15A81A0449 | R13217 | ENGINEERING CHEMISTRY LAB | 15 | 34 | 2 |
| 15A81A0449 | R13218 | C PROGRAMMING LAB | 23 | 40 | 2 |
| 15A81A0450 | R13201 | ENGLISH-II | 27 | 37 | 3 |
| 15A81A0450 | R13202 | MATHEMATICS-III | 29 | 66 | 3 |
| 15A81A0450 | R13204 | ENGG. CHEMISTRY | 26 | 41 | 3 |
| 15A81A0450 | R13205 | C PROGRAMMING | 26 | 32 | 3 |
| 15A81A0450 | R13210 | ENGG. MECHANICS | 30 | 29 | 3 |
| 15A81A0450 | R13211 | NETWORK ANALYSIS | 26 | 30 | 3 |
| 15A81A0450 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 23 | 43 | 2 |
| 15A81A0450 | R13217 | ENGINEERING CHEMISTRY LAB | 24 | 49 | 2 |
| 15A81A0450 | R13218 | C PROGRAMMING LAB | 24 | 49 | 2 |
| 15A81A0451 | R13201 | ENGLISH-II | 24 | 36 | 3 |
| 15A81A0451 | R13202 | MATHEMATICS-III | 18 | -1 | 0 |
| 15A81A0451 | R13204 | ENGG. CHEMISTRY | 17 | 28 | 3 |
| 15A81A0451 | R13205 | C PROGRAMMING | 20 | 13 | 0 |
| 15A81A0451 | R13210 | ENGG. MECHANICS | 24 | 26 | 3 |
| 15A81A0451 | R13211 | NETWORK ANALYSIS | 14 | -1 | 0 |
| 15A81A0451 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 39 | 2 |
| 15A81A0451 | R13217 | ENGINEERING CHEMISTRY LAB | 20 | 41 | 2 |
| 15A81A0451 | R13218 | C PROGRAMMING LAB | 19 | 43 | 2 |
| 15A81A0452 | R13201 | ENGLISH-II | 17 | 40 | 3 |
| 15A81A0452 | R13202 | MATHEMATICS-III | 15 | 4 | 0 |
| 15A81A0452 | R13204 | ENGG. CHEMISTRY | 16 | 42 | 3 |
| 15A81A0452 | R13205 | C PROGRAMMING | 18 | 28 | 3 |
| 15A81A0452 | R13210 | ENGG. MECHANICS | 14 | 14 | 0 |
| 15A81A0452 | R13211 | NETWORK ANALYSIS | 17 | 0 | 0 |
| 15A81A0452 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 39 | 2 |
| 15A81A0452 | R13217 | ENGINEERING CHEMISTRY LAB | 14 | 30 | 2 |
| 15A81A0452 | R13218 | C PROGRAMMING LAB | 17 | 38 | 2 |
| 15A81A0453 | R13201 | ENGLISH-II | 17 | 37 | 3 |
| 15A81A0453 | R13202 | MATHEMATICS-III | 20 | 24 | 3 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A0453 | R13204 | ENGG. CHEMISTRY | 19 | 2 | 0 |
| 15A81A0453 | R13205 | C PROGRAMMING | 17 | 10 | 0 |
| 15A81A0453 | R13210 | ENGG. MECHANICS | 14 | 10 | 0 |
| 15A81A0453 | R13211 | NETWORK ANALYSIS | 25 | 4 | 0 |
| 15A81A0453 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 41 | 2 |
| 15A81A0453 | R13217 | ENGINEERING CHEMISTRY LAB | 12 | 26 | 2 |
| 15A81A0453 | R13218 | C PROGRAMMING LAB | 19 | 37 | 2 |
| 15A81A0454 | R13201 | ENGLISH-II | 28 | 41 | 3 |
| 15A81A0454 | R13202 | MATHEMATICS-III | 29 | 64 | 3 |
| 15A81A0454 | R13204 | ENGG. CHEMISTRY | 23 | 34 | 3 |
| 15A81A0454 | R13205 | C PROGRAMMING | 24 | 39 | 3 |
| 15A81A0454 | R13210 | ENGG. MECHANICS | 30 | 24 | 3 |
| 15A81A0454 | R13211 | NETWORK ANALYSIS | 28 | 30 | 3 |
| 15A81A0454 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 23 | 43 | 2 |
| 15A81A0454 | R13217 | ENGINEERING CHEMISTRY LAB | 23 | 46 | 2 |
| 15A81A0454 | R13218 | C PROGRAMMING LAB | 23 | 48 | 2 |
| 15A81A0455 | R13201 | ENGLISH-II | 17 | 28 | 3 |
| 15A81A0455 | R13202 | MATHEMATICS-III | 18 | 3 | 0 |
| 15A81A0455 | R13204 | ENGG. CHEMISTRY | 14 | 6 | 0 |
| 15A81A0455 | R13205 | C PROGRAMMING | 19 | 2 | 0 |
| 15A81A0455 | R13210 | ENGG. MECHANICS | 13 | 27 | 3 |
| 15A81A0455 | R13211 | NETWORK ANALYSIS | 18 | 10 | 0 |
| 15A81A0455 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 38 | 2 |
| 15A81A0455 | R13217 | ENGINEERING CHEMISTRY LAB | 13 | 28 | 2 |
| 15A81A0455 | R13218 | C PROGRAMMING LAB | 18 | 37 | 2 |
| 15A81A0456 | R13201 | ENGLISH-II | 23 | 49 | 3 |
| 15A81A0456 | R13202 | MATHEMATICS-III | 21 | 24 | 3 |
| 15A81A0456 | R13204 | ENGG. CHEMISTRY | 18 | 24 | 3 |
| 15A81A0456 | R13205 | C PROGRAMMING | 20 | 27 | 3 |
| 15A81A0456 | R13210 | ENGG. MECHANICS | 21 | 32 | 3 |
| 15A81A0456 | R13211 | NETWORK ANALYSIS | 17 | 0 | 0 |
| 15A81A0456 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 39 | 2 |
| 15A81A0456 | R13217 | ENGINEERING CHEMISTRY LAB | 18 | 37 | 2 |
| 15A81A0456 | R13218 | C PROGRAMMING LAB | 24 | 39 | 2 |
| 15A81A0457 | R13201 | ENGLISH-II | 27 | 52 | 3 |
| 15A81A0457 | R13202 | MATHEMATICS-III | 24 | 37 | 3 |
| 15A81A0457 | R13204 | ENGG. CHEMISTRY | 21 | 11 | 0 |
| 15A81A0457 | R13205 | C PROGRAMMING | 23 | 28 | 3 |
| 15A81A0457 | R13210 | ENGG. MECHANICS | 27 | 34 | 3 |
| 15A81A0457 | R13211 | NETWORK ANALYSIS | 16 | 36 | 3 |
| 15A81A0457 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 23 | 41 | 2 |
| 15A81A0457 | R13217 | ENGINEERING CHEMISTRY LAB | 21 | 42 | 2 |
| 15A81A0457 | R13218 | C PROGRAMMING LAB | 25 | 49 | 2 |
| 15A81A0458 | R13201 | ENGLISH-II | 24 | 35 | 3 |
| 15A81A0458 | R13202 | MATHEMATICS-III | 21 | 41 | 3 |
| 15A81A0458 | R13204 | ENGG. CHEMISTRY | 18 | 26 | 3 |
| 15A81A0458 | R13205 | C PROGRAMMING | 23 | 28 | 3 |
| 15A81A0458 | R13210 | ENGG. MECHANICS | 25 | 9 | 0 |
| 15A81A0458 | R13211 | NETWORK ANALYSIS | 19 | 24 | 3 |
| 15A81A0458 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 41 | 2 |
| 15A81A0458 | R13217 | ENGINEERING CHEMISTRY LAB | 19 | 40 | 2 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A0458 | R13218 | C PROGRAMMING LAB | 24 | 48 | 2 |
| 15A81A0459 | R13201 | ENGLISH-II | 26 | 35 | 3 |
| 15A81A0459 | R13202 | MATHEMATICS-III | 27 | 43 | 3 |
| 15A81A0459 | R13204 | ENGG. CHEMISTRY | 22 | 40 | 3 |
| 15A81A0459 | R13205 | C PROGRAMMING | 25 | 35 | 3 |
| 15A81A0459 | R13210 | ENGG. MECHANICS | 30 | 26 | 3 |
| 15A81A0459 | R13211 | NETWORK ANALYSIS | 26 | 41 | 3 |
| 15A81A0459 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 23 | 44 | 2 |
| 15A81A0459 | R13217 | ENGINEERING CHEMISTRY LAB | 21 | 41 | 2 |
| 15A81A0459 | R13218 | C PROGRAMMING LAB | 24 | 46 | 2 |
| 15A81A0460 | R13201 | ENGLISH-II | 26 | 49 | 3 |
| 15A81A0460 | R13202 | MATHEMATICS-III | 23 | 52 | 3 |
| 15A81A0460 | R13204 | ENGG. CHEMISTRY | 17 | 49 | 3 |
| 15A81A0460 | R13205 | C PROGRAMMING | 21 | 47 | 3 |
| 15A81A0460 | R13210 | ENGG. MECHANICS | 27 | 31 | 3 |
| 15A81A0460 | R13211 | NETWORK ANALYSIS | 27 | 24 | 3 |
| 15A81A0460 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 40 | 2 |
| 15A81A0460 | R13217 | ENGINEERING CHEMISTRY LAB | 20 | 41 | 2 |
| 15A81A0460 | R13218 | C PROGRAMMING LAB | 23 | 45 | 2 |
| 15A81A0461 | R13201 | ENGLISH-II | 26 | 46 | 3 |
| 15A81A0461 | R13202 | MATHEMATICS-III | 27 | 48 | 3 |
| 15A81A0461 | R13204 | ENGG. CHEMISTRY | 26 | 15 | 0 |
| 15A81A0461 | R13205 | C PROGRAMMING | 28 | 40 | 3 |
| 15A81A0461 | R13210 | ENGG. MECHANICS | 30 | 36 | 3 |
| 15A81A0461 | R13211 | NETWORK ANALYSIS | 26 | 45 | 3 |
| 15A81A0461 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 47 | 2 |
| 15A81A0461 | R13217 | ENGINEERING CHEMISTRY LAB | 23 | 48 | 2 |
| 15A81A0461 | R13218 | C PROGRAMMING LAB | 25 | 49 | 2 |
| 15A81A0462 | R13201 | ENGLISH-II | 25 | 42 | 3 |
| 15A81A0462 | R13202 | MATHEMATICS-III | 27 | 46 | 3 |
| 15A81A0462 | R13204 | ENGG. CHEMISTRY | 26 | 26 | 3 |
| 15A81A0462 | R13205 | C PROGRAMMING | 27 | 33 | 3 |
| 15A81A0462 | R13210 | ENGG. MECHANICS | 27 | 24 | 3 |
| 15A81A0462 | R13211 | NETWORK ANALYSIS | 26 | 32 | 3 |
| 15A81A0462 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 23 | 48 | 2 |
| 15A81A0462 | R13217 | ENGINEERING CHEMISTRY LAB | 23 | 47 | 2 |
| 15A81A0462 | R13218 | C PROGRAMMING LAB | 23 | 48 | 2 |
| 15A81A0463 | R13201 | ENGLISH-II | 26 | 37 | 3 |
| 15A81A0463 | R13202 | MATHEMATICS-III | 27 | 38 | 3 |
| 15A81A0463 | R13204 | ENGG. CHEMISTRY | 25 | 40 | 3 |
| 15A81A0463 | R13205 | C PROGRAMMING | 25 | 49 | 3 |
| 15A81A0463 | R13210 | ENGG. MECHANICS | 24 | 31 | 3 |
| 15A81A0463 | R13211 | NETWORK ANALYSIS | 25 | 43 | 3 |
| 15A81A0463 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 39 | 2 |
| 15A81A0463 | R13217 | ENGINEERING CHEMISTRY LAB | 23 | 48 | 2 |
| 15A81A0463 | R13218 | C PROGRAMMING LAB | 24 | 48 | 2 |
| 15A81A0464 | R13201 | ENGLISH-II | 26 | 49 | 3 |
| 15A81A0464 | R13202 | MATHEMATICS-III | 21 | 25 | 3 |
| 15A81A0464 | R13204 | ENGG. CHEMISTRY | 19 | 42 | 3 |
| 15A81A0464 | R13205 | C PROGRAMMING | 21 | 24 | 3 |
| 15A81A0464 | R13210 | ENGG. MECHANICS | 20 | 14 | 0 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A0464 | R13211 | NETWORK ANALYSIS | 18 | 24 | 3 |
| 15A81A0464 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 43 | 2 |
| 15A81A0464 | R13217 | ENGINEERING CHEMISTRY LAB | 21 | 44 | 2 |
| 15A81A0464 | R13218 | C PROGRAMMING LAB | 22 | 46 | 2 |
| 15A81A0465 | R13201 | ENGLISH-II | 23 | 38 | 3 |
| 15A81A0465 | R13202 | MATHEMATICS-III | 22 | 50 | 3 |
| 15A81A0465 | R13204 | ENGG. CHEMISTRY | 19 | 9 | 0 |
| 15A81A0465 | R13205 | C PROGRAMMING | 23 | 15 | 0 |
| 15A81A0465 | R13210 | ENGG. MECHANICS | 20 | 52 | 3 |
| 15A81A0465 | R13211 | NETWORK ANALYSIS | 19 | 38 | 3 |
| 15A81A0465 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 19 | 34 | 2 |
| 15A81A0465 | R13217 | ENGINEERING CHEMISTRY LAB | 22 | 46 | 2 |
| 15A81A0465 | R13218 | C PROGRAMMING LAB | 22 | 44 | 2 |
| 15A81A0466 | R13201 | ENGLISH-II | 29 | 38 | 3 |
| 15A81A0466 | R13202 | MATHEMATICS-III | 28 | 59 | 3 |
| 15A81A0466 | R13204 | ENGG. CHEMISTRY | 24 | 32 | 3 |
| 15A81A0466 | R13205 | C PROGRAMMING | 26 | 32 | 3 |
| 15A81A0466 | R13210 | ENGG. MECHANICS | 30 | 24 | 3 |
| 15A81A0466 | R13211 | NETWORK ANALYSIS | 27 | 45 | 3 |
| 15A81A0466 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 41 | 2 |
| 15A81A0466 | R13217 | ENGINEERING CHEMISTRY LAB | 24 | 46 | 2 |
| 15A81A0466 | R13218 | C PROGRAMMING LAB | 24 | 47 | 2 |
| 15A81A0467 | R13201 | ENGLISH-II | 29 | 40 | 3 |
| 15A81A0467 | R13202 | MATHEMATICS-III | 29 | 47 | 3 |
| 15A81A0467 | R13204 | ENGG. CHEMISTRY | 28 | 61 | 3 |
| 15A81A0467 | R13205 | C PROGRAMMING | 28 | 54 | 3 |
| 15A81A0467 | R13210 | ENGG. MECHANICS | 29 | 41 | 3 |
| 15A81A0467 | R13211 | NETWORK ANALYSIS | 28 | 57 | 3 |
| 15A81A0467 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 24 | 49 | 2 |
| 15A81A0467 | R13217 | ENGINEERING CHEMISTRY LAB | 25 | 49 | 2 |
| 15A81A0467 | R13218 | C PROGRAMMING LAB | 25 | 49 | 2 |
| 15A81A0468 | R13201 | ENGLISH-II | 29 | 58 | 3 |
| 15A81A0468 | R13202 | MATHEMATICS-III | 29 | 68 | 3 |
| 15A81A0468 | R13204 | ENGG. CHEMISTRY | 27 | 61 | 3 |
| 15A81A0468 | R13205 | C PROGRAMMING | 29 | 41 | 3 |
| 15A81A0468 | R13210 | ENGG. MECHANICS | 27 | 45 | 3 |
| 15A81A0468 | R13211 | NETWORK ANALYSIS | 25 | 49 | 3 |
| 15A81A0468 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 24 | 48 | 2 |
| 15A81A0468 | R13217 | ENGINEERING CHEMISTRY LAB | 23 | 48 | 2 |
| 15A81A0468 | R13218 | C PROGRAMMING LAB | 24 | 48 | 2 |
| 15A81A0469 | R13201 | ENGLISH-II | 22 | 34 | 3 |
| 15A81A0469 | R13202 | MATHEMATICS-III | 19 | 18 | 0 |
| 15A81A0469 | R13204 | ENGG. CHEMISTRY | 16 | 12 | 0 |
| 15A81A0469 | R13205 | C PROGRAMMING | 22 | 11 | 0 |
| 15A81A0469 | R13210 | ENGG. MECHANICS | 19 | 24 | 3 |
| 15A81A0469 | R13211 | NETWORK ANALYSIS | 20 | 11 | 0 |
| 15A81A0469 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 40 | 2 |
| 15A81A0469 | R13217 | ENGINEERING CHEMISTRY LAB | 22 | 44 | 2 |
| 15A81A0469 | R13218 | C PROGRAMMING LAB | 20 | 41 | 2 |
| 15A81A0470 | R13201 | ENGLISH-II | 28 | 38 | 3 |
| 15A81A0470 | R13202 | MATHEMATICS-III | 29 | 58 | 3 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A0470 | R13204 | ENGG. CHEMISTRY | 23 | 27 | 3 |
| 15A81A0470 | R13205 | C PROGRAMMING | 25 | 31 | 3 |
| 15A81A0470 | R13210 | ENGG. MECHANICS | 28 | 11 | 0 |
| 15A81A0470 | R13211 | NETWORK ANALYSIS | 23 | 28 | 3 |
| 15A81A0470 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 42 | 2 |
| 15A81A0470 | R13217 | ENGINEERING CHEMISTRY LAB | 24 | 46 | 2 |
| 15A81A0470 | R13218 | C PROGRAMMING LAB | 22 | 46 | 2 |
| 15A81A0471 | R13201 | ENGLISH-II | 27 | 36 | 3 |
| 15A81A0471 | R13202 | MATHEMATICS-III | 28 | 38 | 3 |
| 15A81A0471 | R13204 | ENGG. CHEMISTRY | 25 | 43 | 3 |
| 15A81A0471 | R13205 | C PROGRAMMING | 26 | 41 | 3 |
| 15A81A0471 | R13210 | ENGG. MECHANICS | 25 | 35 | 3 |
| 15A81A0471 | R13211 | NETWORK ANALYSIS | 22 | 34 | 3 |
| 15A81A0471 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 24 | 45 | 2 |
| 15A81A0471 | R13217 | ENGINEERING CHEMISTRY LAB | 22 | 44 | 2 |
| 15A81A0471 | R13218 | C PROGRAMMING LAB | 22 | 46 | 2 |
| 15A81A0472 | R13201 | ENGLISH-II | 22 | 51 | 3 |
| 15A81A0472 | R13202 | MATHEMATICS-III | 25 | 39 | 3 |
| 15A81A0472 | R13204 | ENGG. CHEMISTRY | 25 | 39 | 3 |
| 15A81A0472 | R13205 | C PROGRAMMING | 27 | 30 | 3 |
| 15A81A0472 | R13210 | ENGG. MECHANICS | 28 | 11 | 0 |
| 15A81A0472 | R13211 | NETWORK ANALYSIS | 17 | 5 | 0 |
| 15A81A0472 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 45 | 2 |
| 15A81A0472 | R13217 | ENGINEERING CHEMISTRY LAB | 22 | 40 | 2 |
| 15A81A0472 | R13218 | C PROGRAMMING LAB | 21 | 41 | 2 |
| 15A81A0473 | R13201 | ENGLISH-II | 19 | 29 | 3 |
| 15A81A0473 | R13202 | MATHEMATICS-III | 19 | 24 | 3 |
| 15A81A0473 | R13204 | ENGG. CHEMISTRY | 17 | 0 | 0 |
| 15A81A0473 | R13205 | C PROGRAMMING | 19 | 9 | 0 |
| 15A81A0473 | R13210 | ENGG. MECHANICS | 21 | 14 | 0 |
| 15A81A0473 | R13211 | NETWORK ANALYSIS | 15 | 8 | 0 |
| 15A81A0473 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 18 | 41 | 2 |
| 15A81A0473 | R13217 | ENGINEERING CHEMISTRY LAB | 18 | 39 | 2 |
| 15A81A0473 | R13218 | C PROGRAMMING LAB | 21 | 41 | 2 |
| 15A81A0474 | R13201 | ENGLISH-II | 10 | 35 | 3 |
| 15A81A0474 | R13202 | MATHEMATICS-III | 11 | 4 | 0 |
| 15A81A0474 | R13204 | ENGG. CHEMISTRY | 7 | 0 | 0 |
| 15A81A0474 | R13205 | C PROGRAMMING | 11 | 2 | 0 |
| 15A81A0474 | R13210 | ENGG. MECHANICS | 12 | 0 | 0 |
| 15A81A0474 | R13211 | NETWORK ANALYSIS | 2 | 0 | 0 |
| 15A81A0474 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 14 | 28 | 2 |
| 15A81A0474 | R13217 | ENGINEERING CHEMISTRY LAB | 15 | 4 | 0 |
| 15A81A0474 | R13218 | C PROGRAMMING LAB | 19 | 38 | 2 |
| 15A81A0475 | R13201 | ENGLISH-II | 26 | 32 | 3 |
| 15A81A0475 | R13202 | MATHEMATICS-III | 27 | 70 | 3 |
| 15A81A0475 | R13204 | ENGG. CHEMISTRY | 26 | 48 | 3 |
| 15A81A0475 | R13205 | C PROGRAMMING | 26 | 41 | 3 |
| 15A81A0475 | R13210 | ENGG. MECHANICS | 30 | 36 | 3 |
| 15A81A0475 | R13211 | NETWORK ANALYSIS | 27 | 48 | 3 |
| 15A81A0475 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 23 | 47 | 2 |
| 15A81A0475 | R13217 | ENGINEERING CHEMISTRY LAB | 23 | 47 | 2 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A0475 | R13218 | C PROGRAMMING LAB | 24 | 49 | 2 |
| 15A81A0476 | R13201 | ENGLISH-II | 26 | 53 | 3 |
| 15A81A0476 | R13202 | MATHEMATICS-III | 27 | 52 | 3 |
| 15A81A0476 | R13204 | ENGG. CHEMISTRY | 22 | 46 | 3 |
| 15A81A0476 | R13205 | C PROGRAMMING | 28 | 35 | 3 |
| 15A81A0476 | R13210 | ENGG. MECHANICS | 29 | 36 | 3 |
| 15A81A0476 | R13211 | NETWORK ANALYSIS | 21 | 27 | 3 |
| 15A81A0476 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 46 | 2 |
| 15A81A0476 | R13217 | ENGINEERING CHEMISTRY LAB | 23 | 49 | 2 |
| 15A81A0476 | R13218 | C PROGRAMMING LAB | 22 | 45 | 2 |
| 15A81A0477 | R13201 | ENGLISH-II | 25 | 45 | 3 |
| 15A81A0477 | R13202 | MATHEMATICS-III | 26 | 33 | 3 |
| 15A81A0477 | R13204 | ENGG. CHEMISTRY | 22 | 27 | 3 |
| 15A81A0477 | R13205 | C PROGRAMMING | 27 | 45 | 3 |
| 15A81A0477 | R13210 | ENGG. MECHANICS | 23 | 47 | 3 |
| 15A81A0477 | R13211 | NETWORK ANALYSIS | 24 | 41 | 3 |
| 15A81A0477 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 44 | 2 |
| 15A81A0477 | R13217 | ENGINEERING CHEMISTRY LAB | 23 | 43 | 2 |
| 15A81A0477 | R13218 | C PROGRAMMING LAB | 22 | 45 | 2 |
| 15A81A0478 | R13201 | ENGLISH-II | 22 | 35 | 3 |
| 15A81A0478 | R13202 | MATHEMATICS-III | 29 | 63 | 3 |
| 15A81A0478 | R13204 | ENGG. CHEMISTRY | 22 | 31 | 3 |
| 15A81A0478 | R13205 | C PROGRAMMING | 28 | 31 | 3 |
| 15A81A0478 | R13210 | ENGG. MECHANICS | 28 | 24 | 3 |
| 15A81A0478 | R13211 | NETWORK ANALYSIS | 27 | 33 | 3 |
| 15A81A0478 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 44 | 2 |
| 15A81A0478 | R13217 | ENGINEERING CHEMISTRY LAB | 23 | 46 | 2 |
| 15A81A0478 | R13218 | C PROGRAMMING LAB | 24 | 48 | 2 |
| 15A81A0479 | R13201 | ENGLISH-II | 27 | 36 | 3 |
| 15A81A0479 | R13202 | MATHEMATICS-III | 25 | 48 | 3 |
| 15A81A0479 | R13204 | ENGG. CHEMISTRY | 27 | 34 | 3 |
| 15A81A0479 | R13205 | C PROGRAMMING | 24 | 34 | 3 |
| 15A81A0479 | R13210 | ENGG. MECHANICS | 28 | 30 | 3 |
| 15A81A0479 | R13211 | NETWORK ANALYSIS | 23 | 43 | 3 |
| 15A81A0479 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 46 | 2 |
| 15A81A0479 | R13217 | ENGINEERING CHEMISTRY LAB | 22 | 46 | 2 |
| 15A81A0479 | R13218 | C PROGRAMMING LAB | 23 | 45 | 2 |
| 15A81A0480 | R13201 | ENGLISH-II | 24 | 55 | 3 |
| 15A81A0480 | R13202 | MATHEMATICS-III | 29 | 56 | 3 |
| 15A81A0480 | R13204 | ENGG. CHEMISTRY | 24 | 45 | 3 |
| 15A81A0480 | R13205 | C PROGRAMMING | 23 | 35 | 3 |
| 15A81A0480 | R13210 | ENGG. MECHANICS | 29 | 35 | 3 |
| 15A81A0480 | R13211 | NETWORK ANALYSIS | 27 | 39 | 3 |
| 15A81A0480 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 44 | 2 |
| 15A81A0480 | R13217 | ENGINEERING CHEMISTRY LAB | 23 | 47 | 2 |
| 15A81A0480 | R13218 | C PROGRAMMING LAB | 23 | 46 | 2 |
| 15A81A0481 | R13201 | ENGLISH-II | 20 | 36 | 3 |
| 15A81A0481 | R13202 | MATHEMATICS-III | 21 | 2 | 0 |
| 15A81A0481 | R13204 | ENGG. CHEMISTRY | 15 | 3 | 0 |
| 15A81A0481 | R13205 | C PROGRAMMING | 21 | 5 | 0 |
| 15A81A0481 | R13210 | ENGG. MECHANICS | 11 | 4 | 0 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A0481 | R13211 | NETWORK ANALYSIS | 20 | 0 | 0 |
| 15A81A0481 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 16 | 38 | 2 |
| 15A81A0481 | R13217 | ENGINEERING CHEMISTRY LAB | 17 | 38 | 2 |
| 15A81A0481 | R13218 | C PROGRAMMING LAB | 20 | 42 | 2 |
| 15A81A0482 | R13201 | ENGLISH-II | 23 | 38 | 3 |
| 15A81A0482 | R13202 | MATHEMATICS-III | 21 | 6 | 0 |
| 15A81A0482 | R13204 | ENGG. CHEMISTRY | 19 | 6 | 0 |
| 15A81A0482 | R13205 | C PROGRAMMING | 20 | 11 | 0 |
| 15A81A0482 | R13210 | ENGG. MECHANICS | 19 | 1 | 0 |
| 15A81A0482 | R13211 | NETWORK ANALYSIS | 25 | 0 | 0 |
| 15A81A0482 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 19 | 36 | 2 |
| 15A81A0482 | R13217 | ENGINEERING CHEMISTRY LAB | 20 | 40 | 2 |
| 15A81A0482 | R13218 | C PROGRAMMING LAB | 17 | 42 | 2 |
| 15A81A0483 | R13201 | ENGLISH-II | 23 | 31 | 3 |
| 15A81A0483 | R13202 | MATHEMATICS-III | 22 | 36 | 3 |
| 15A81A0483 | R13204 | ENGG. CHEMISTRY | 19 | 28 | 3 |
| 15A81A0483 | R13205 | C PROGRAMMING | 20 | 25 | 3 |
| 15A81A0483 | R13210 | ENGG. MECHANICS | 23 | 24 | 3 |
| 15A81A0483 | R13211 | NETWORK ANALYSIS | 15 | 38 | 3 |
| 15A81A0483 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 19 | 36 | 2 |
| 15A81A0483 | R13217 | ENGINEERING CHEMISTRY LAB | 22 | 41 | 2 |
| 15A81A0483 | R13218 | C PROGRAMMING LAB | 20 | 45 | 2 |
| 15A81A0484 | R13201 | ENGLISH-II | 29 | 55 | 3 |
| 15A81A0484 | R13202 | MATHEMATICS-III | 28 | 61 | 3 |
| 15A81A0484 | R13204 | ENGG. CHEMISTRY | 26 | 54 | 3 |
| 15A81A0484 | R13205 | C PROGRAMMING | 26 | 38 | 3 |
| 15A81A0484 | R13210 | ENGG. MECHANICS | 29 | 40 | 3 |
| 15A81A0484 | R13211 | NETWORK ANALYSIS | 27 | 24 | 3 |
| 15A81A0484 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 23 | 49 | 2 |
| 15A81A0484 | R13217 | ENGINEERING CHEMISTRY LAB | 23 | 48 | 2 |
| 15A81A0484 | R13218 | C PROGRAMMING LAB | 23 | 47 | 2 |
| 15A81A0485 | R13201 | ENGLISH-II | 28 | 48 | 3 |
| 15A81A0485 | R13202 | MATHEMATICS-III | 29 | 69 | 3 |
| 15A81A0485 | R13204 | ENGG. CHEMISTRY | 28 | 24 | 3 |
| 15A81A0485 | R13205 | C PROGRAMMING | 29 | 61 | 3 |
| 15A81A0485 | R13210 | ENGG. MECHANICS | 27 | 64 | 3 |
| 15A81A0485 | R13211 | NETWORK ANALYSIS | 24 | 58 | 3 |
| 15A81A0485 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 24 | 49 | 2 |
| 15A81A0485 | R13217 | ENGINEERING CHEMISTRY LAB | 25 | 50 | 2 |
| 15A81A0485 | R13218 | C PROGRAMMING LAB | 25 | 50 | 2 |
| 15A81A0486 | R13201 | ENGLISH-II | 26 | 35 | 3 |
| 15A81A0486 | R13202 | MATHEMATICS-III | 24 | 40 | 3 |
| 15A81A0486 | R13204 | ENGG. CHEMISTRY | 19 | 11 | 0 |
| 15A81A0486 | R13205 | C PROGRAMMING | 23 | 30 | 3 |
| 15A81A0486 | R13210 | ENGG. MECHANICS | 28 | 9 | 0 |
| 15A81A0486 | R13211 | NETWORK ANALYSIS | 15 | 25 | 3 |
| 15A81A0486 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 44 | 2 |
| 15A81A0486 | R13217 | ENGINEERING CHEMISTRY LAB | 22 | 45 | 2 |
| 15A81A0486 | R13218 | C PROGRAMMING LAB | 19 | 45 | 2 |
| 15A81A0487 | R13201 | ENGLISH-II | 27 | 46 | 3 |
| 15A81A0487 | R13202 | MATHEMATICS-III | 29 | 66 | 3 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A0487 | R13204 | ENGG. CHEMISTRY | 26 | 48 | 3 |
| 15A81A0487 | R13205 | C PROGRAMMING | 27 | 47 | 3 |
| 15A81A0487 | R13210 | ENGG. MECHANICS | 27 | 43 | 3 |
| 15A81A0487 | R13211 | NETWORK ANALYSIS | 26 | 57 | 3 |
| 15A81A0487 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 19 | 45 | 2 |
| 15A81A0487 | R13217 | ENGINEERING CHEMISTRY LAB | 23 | 48 | 2 |
| 15A81A0487 | R13218 | C PROGRAMMING LAB | 23 | 45 | 2 |
| 15A81A0488 | R13201 | ENGLISH-II | 23 | 50 | 3 |
| 15A81A0488 | R13202 | MATHEMATICS-III | 29 | 45 | 3 |
| 15A81A0488 | R13204 | ENGG. CHEMISTRY | 21 | 24 | 3 |
| 15A81A0488 | R13205 | C PROGRAMMING | 26 | 31 | 3 |
| 15A81A0488 | R13210 | ENGG. MECHANICS | 28 | 33 | 3 |
| 15A81A0488 | R13211 | NETWORK ANALYSIS | 26 | 38 | 3 |
| 15A81A0488 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 18 | 42 | 2 |
| 15A81A0488 | R13217 | ENGINEERING CHEMISTRY LAB | 23 | 47 | 2 |
| 15A81A0488 | R13218 | C PROGRAMMING LAB | 22 | 45 | 2 |
| 15A81A0489 | R13201 | ENGLISH-II | 28 | 64 | 3 |
| 15A81A0489 | R13202 | MATHEMATICS-III | 27 | 37 | 3 |
| 15A81A0489 | R13204 | ENGG. CHEMISTRY | 25 | 40 | 3 |
| 15A81A0489 | R13205 | C PROGRAMMING | 25 | 39 | 3 |
| 15A81A0489 | R13210 | ENGG. MECHANICS | 28 | 48 | 3 |
| 15A81A0489 | R13211 | NETWORK ANALYSIS | 25 | 56 | 3 |
| 15A81A0489 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 24 | 48 | 2 |
| 15A81A0489 | R13217 | ENGINEERING CHEMISTRY LAB | 23 | 48 | 2 |
| 15A81A0489 | R13218 | C PROGRAMMING LAB | 22 | 45 | 2 |
| 15A81A0490 | R13201 | ENGLISH-II | 22 | 38 | 3 |
| 15A81A0490 | R13202 | MATHEMATICS-III | 26 | 41 | 3 |
| 15A81A0490 | R13204 | ENGG. CHEMISTRY | 18 | 15 | 0 |
| 15A81A0490 | R13205 | C PROGRAMMING | 24 | 33 | 3 |
| 15A81A0490 | R13210 | ENGG. MECHANICS | 23 | 3 | 0 |
| 15A81A0490 | R13211 | NETWORK ANALYSIS | 23 | 12 | 0 |
| 15A81A0490 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 23 | 43 | 2 |
| 15A81A0490 | R13217 | ENGINEERING CHEMISTRY LAB | 23 | 46 | 2 |
| 15A81A0490 | R13218 | C PROGRAMMING LAB | 21 | 45 | 2 |
| 15A81A0491 | R13201 | ENGLISH-II | 27 | 35 | 3 |
| 15A81A0491 | R13202 | MATHEMATICS-III | 26 | 51 | 3 |
| 15A81A0491 | R13204 | ENGG. CHEMISTRY | 27 | 33 | 3 |
| 15A81A0491 | R13205 | C PROGRAMMING | 23 | 34 | 3 |
| 15A81A0491 | R13210 | ENGG. MECHANICS | 29 | 33 | 3 |
| 15A81A0491 | R13211 | NETWORK ANALYSIS | 26 | 55 | 3 |
| 15A81A0491 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 23 | 48 | 2 |
| 15A81A0491 | R13217 | ENGINEERING CHEMISTRY LAB | 24 | 49 | 2 |
| 15A81A0491 | R13218 | C PROGRAMMING LAB | 23 | 45 | 2 |
| 15A81A0492 | R13201 | ENGLISH-II | 26 | 44 | 3 |
| 15A81A0492 | R13202 | MATHEMATICS-III | 15 | 8 | 0 |
| 15A81A0492 | R13204 | ENGG. CHEMISTRY | 18 | 15 | 0 |
| 15A81A0492 | R13205 | C PROGRAMMING | 17 | 15 | 0 |
| 15A81A0492 | R13210 | ENGG. MECHANICS | 17 | 9 | 0 |
| 15A81A0492 | R13211 | NETWORK ANALYSIS | 12 | 2 | 0 |
| 15A81A0492 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 41 | 2 |
| 15A81A0492 | R13217 | ENGINEERING CHEMISTRY LAB | 19 | 41 | 2 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A0492 | R13218 | C PROGRAMMING LAB | 20 | 41 | 2 |
| 15A81A0493 | R13201 | ENGLISH-II | 25 | 43 | 3 |
| 15A81A0493 | R13202 | MATHEMATICS-III | 22 | 32 | 3 |
| 15A81A0493 | R13204 | ENGG. CHEMISTRY | 24 | 12 | 0 |
| 15A81A0493 | R13205 | C PROGRAMMING | 22 | 38 | 3 |
| 15A81A0493 | R13210 | ENGG. MECHANICS | 19 | 30 | 3 |
| 15A81A0493 | R13211 | NETWORK ANALYSIS | 22 | 5 | 0 |
| 15A81A0493 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 18 | 42 | 2 |
| 15A81A0493 | R13217 | ENGINEERING CHEMISTRY LAB | 20 | 42 | 2 |
| 15A81A0493 | R13218 | C PROGRAMMING LAB | 23 | 48 | 2 |
| 15A81A0494 | R13201 | ENGLISH-II | 29 | 38 | 3 |
| 15A81A0494 | R13202 | MATHEMATICS-III | 28 | 60 | 3 |
| 15A81A0494 | R13204 | ENGG. CHEMISTRY | 27 | 24 | 3 |
| 15A81A0494 | R13205 | C PROGRAMMING | 30 | 32 | 3 |
| 15A81A0494 | R13210 | ENGG. MECHANICS | 27 | 6 | 0 |
| 15A81A0494 | R13211 | NETWORK ANALYSIS | 28 | 33 | 3 |
| 15A81A0494 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 43 | 2 |
| 15A81A0494 | R13217 | ENGINEERING CHEMISTRY LAB | 24 | 48 | 2 |
| 15A81A0494 | R13218 | C PROGRAMMING LAB | 24 | 49 | 2 |
| 15A81A0496 | R13201 | ENGLISH-II | 22 | 31 | 3 |
| 15A81A0496 | R13202 | MATHEMATICS-III | 18 | 31 | 3 |
| 15A81A0496 | R13204 | ENGG. CHEMISTRY | 19 | 30 | 3 |
| 15A81A0496 | R13205 | C PROGRAMMING | 19 | 30 | 3 |
| 15A81A0496 | R13210 | ENGG. MECHANICS | 24 | 24 | 3 |
| 15A81A0496 | R13211 | NETWORK ANALYSIS | 19 | 33 | 3 |
| 15A81A0496 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 18 | 40 | 2 |
| 15A81A0496 | R13217 | ENGINEERING CHEMISTRY LAB | 19 | 40 | 2 |
| 15A81A0496 | R13218 | C PROGRAMMING LAB | 21 | 48 | 2 |
| 15A81A0497 | R13201 | ENGLISH-II | 27 | 47 | 3 |
| 15A81A0497 | R13202 | MATHEMATICS-III | 26 | 37 | 3 |
| 15A81A0497 | R13204 | ENGG. CHEMISTRY | 28 | 47 | 3 |
| 15A81A0497 | R13205 | C PROGRAMMING | 24 | 31 | 3 |
| 15A81A0497 | R13210 | ENGG. MECHANICS | 27 | 35 | 3 |
| 15A81A0497 | R13211 | NETWORK ANALYSIS | 23 | 44 | 3 |
| 15A81A0497 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 24 | 47 | 2 |
| 15A81A0497 | R13217 | ENGINEERING CHEMISTRY LAB | 25 | 49 | 2 |
| 15A81A0497 | R13218 | C PROGRAMMING LAB | 22 | 45 | 2 |
| 15A81A0498 | R13201 | ENGLISH-II | 25 | 39 | 3 |
| 15A81A0498 | R13202 | MATHEMATICS-III | 24 | 27 | 3 |
| 15A81A0498 | R13204 | ENGG. CHEMISTRY | 21 | 2 | 0 |
| 15A81A0498 | R13205 | C PROGRAMMING | 25 | 24 | 3 |
| 15A81A0498 | R13210 | ENGG. MECHANICS | 25 | 31 | 3 |
| 15A81A0498 | R13211 | NETWORK ANALYSIS | 21 | 8 | 0 |
| 15A81A0498 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 44 | 2 |
| 15A81A0498 | R13217 | ENGINEERING CHEMISTRY LAB | 20 | 43 | 2 |
| 15A81A0498 | R13218 | C PROGRAMMING LAB | 22 | 45 | 2 |
| 15A81A0499 | R13201 | ENGLISH-II | 23 | 32 | 3 |
| 15A81A0499 | R13202 | MATHEMATICS-III | 19 | 4 | 0 |
| 15A81A0499 | R13204 | ENGG. CHEMISTRY | 17 | 6 | 0 |
| 15A81A0499 | R13205 | C PROGRAMMING | 17 | 24 | 3 |
| 15A81A0499 | R13210 | ENGG. MECHANICS | 13 | 1 | 0 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A0499 | R13211 | NETWORK ANALYSIS | 18 | 0 | 0 |
| 15A81A0499 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 18 | 44 | 2 |
| 15A81A0499 | R13217 | ENGINEERING CHEMISTRY LAB | 23 | 45 | 2 |
| 15A81A0499 | R13218 | C PROGRAMMING LAB | 20 | 41 | 2 |
| 15A81A04A0 | R13201 | ENGLISH-II | 20 | 25 | 3 |
| 15A81A04A0 | R13202 | MATHEMATICS-III | 23 | 24 | 3 |
| 15A81A04A0 | R13204 | ENGG. CHEMISTRY | 16 | 24 | 3 |
| 15A81A04A0 | R13205 | C PROGRAMMING | 20 | 6 | 0 |
| 15A81A04A0 | R13210 | ENGG. MECHANICS | 17 | 14 | 0 |
| 15A81A04A0 | R13211 | NETWORK ANALYSIS | 17 | 0 | 0 |
| 15A81A04A0 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 19 | 43 | 2 |
| 15A81A04A0 | R13217 | ENGINEERING CHEMISTRY LAB | 18 | 36 | 2 |
| 15A81A04A0 | R13218 | C PROGRAMMING LAB | 20 | 44 | 2 |
| 15A81A04A1 | R13201 | ENGLISH-II | 26 | 54 | 3 |
| 15A81A04A1 | R13202 | MATHEMATICS-III | 25 | 31 | 3 |
| 15A81A04A1 | R13204 | ENGG. CHEMISTRY | 17 | 46 | 3 |
| 15A81A04A1 | R13205 | C PROGRAMMING | 24 | 38 | 3 |
| 15A81A04A1 | R13210 | ENGG. MECHANICS | 23 | 24 | 3 |
| 15A81A04A1 | R13211 | NETWORK ANALYSIS | 21 | 39 | 3 |
| 15A81A04A1 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 24 | 47 | 2 |
| 15A81A04A1 | R13217 | ENGINEERING CHEMISTRY LAB | 24 | 47 | 2 |
| 15A81A04A1 | R13218 | C PROGRAMMING LAB | 23 | 46 | 2 |
| 15A81A04A2 | R13201 | ENGLISH-II | 20 | 40 | 3 |
| 15A81A04A2 | R13202 | MATHEMATICS-III | 16 | 10 | 0 |
| 15A81A04A2 | R13204 | ENGG. CHEMISTRY | 18 | 3 | 0 |
| 15A81A04A2 | R13205 | C PROGRAMMING | 20 | 8 | 0 |
| 15A81A04A2 | R13210 | ENGG. MECHANICS | 16 | 24 | 3 |
| 15A81A04A2 | R13211 | NETWORK ANALYSIS | 22 | 1 | 0 |
| 15A81A04A2 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 42 | 2 |
| 15A81A04A2 | R13217 | ENGINEERING CHEMISTRY LAB | 23 | 44 | 2 |
| 15A81A04A2 | R13218 | C PROGRAMMING LAB | 22 | 42 | 2 |
| 15A81A04A3 | R13201 | ENGLISH-II | 25 | 40 | 3 |
| 15A81A04A3 | R13202 | MATHEMATICS-III | 27 | 54 | 3 |
| 15A81A04A3 | R13204 | ENGG. CHEMISTRY | 20 | 30 | 3 |
| 15A81A04A3 | R13205 | C PROGRAMMING | 26 | 35 | 3 |
| 15A81A04A3 | R13210 | ENGG. MECHANICS | 21 | 29 | 3 |
| 15A81A04A3 | R13211 | NETWORK ANALYSIS | 21 | 33 | 3 |
| 15A81A04A3 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 45 | 2 |
| 15A81A04A3 | R13217 | ENGINEERING CHEMISTRY LAB | 21 | 44 | 2 |
| 15A81A04A3 | R13218 | C PROGRAMMING LAB | 21 | 47 | 2 |
| 15A81A04A4 | R13201 | ENGLISH-II | 25 | 33 | 3 |
| 15A81A04A4 | R13202 | MATHEMATICS-III | 28 | 60 | 3 |
| 15A81A04A4 | R13204 | ENGG. CHEMISTRY | 26 | 54 | 3 |
| 15A81A04A4 | R13205 | C PROGRAMMING | 29 | 57 | 3 |
| 15A81A04A4 | R13210 | ENGG. MECHANICS | 29 | 42 | 3 |
| 15A81A04A4 | R13211 | NETWORK ANALYSIS | 28 | 53 | 3 |
| 15A81A04A4 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 47 | 2 |
| 15A81A04A4 | R13217 | ENGINEERING CHEMISTRY LAB | 23 | 48 | 2 |
| 15A81A04A4 | R13218 | C PROGRAMMING LAB | 24 | 47 | 2 |
| 15A81A04A5 | R13201 | ENGLISH-II | 22 | 47 | 3 |
| 15A81A04A5 | R13202 | MATHEMATICS-III | 18 | 31 | 3 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A04A5 | R13204 | ENGG. CHEMISTRY | 16 | 30 | 3 |
| 15A81A04A5 | R13205 | C PROGRAMMING | 21 | 30 | 3 |
| 15A81A04A5 | R13210 | ENGG. MECHANICS | 22 | 24 | 3 |
| 15A81A04A5 | R13211 | NETWORK ANALYSIS | 20 | 9 | 0 |
| 15A81A04A5 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 38 | 2 |
| 15A81A04A5 | R13217 | ENGINEERING CHEMISTRY LAB | 21 | 45 | 2 |
| 15A81A04A5 | R13218 | C PROGRAMMING LAB | 21 | 44 | 2 |
| 15A81A04A6 | R13201 | ENGLISH-II | 25 | 39 | 3 |
| 15A81A04A6 | R13202 | MATHEMATICS-III | 25 | 42 | 3 |
| 15A81A04A6 | R13204 | ENGG. CHEMISTRY | 18 | 16 | 0 |
| 15A81A04A6 | R13205 | C PROGRAMMING | 21 | 24 | 3 |
| 15A81A04A6 | R13210 | ENGG. MECHANICS | 26 | 32 | 3 |
| 15A81A04A6 | R13211 | NETWORK ANALYSIS | 17 | 8 | 0 |
| 15A81A04A6 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 37 | 2 |
| 15A81A04A6 | R13217 | ENGINEERING CHEMISTRY LAB | 23 | 44 | 2 |
| 15A81A04A6 | R13218 | C PROGRAMMING LAB | 22 | 44 | 2 |
| 15A81A04A7 | R13201 | ENGLISH-II | 28 | 43 | 3 |
| 15A81A04A7 | R13202 | MATHEMATICS-III | 27 | 37 | 3 |
| 15A81A04A7 | R13204 | ENGG. CHEMISTRY | 25 | 27 | 3 |
| 15A81A04A7 | R13205 | C PROGRAMMING | 25 | 34 | 3 |
| 15A81A04A7 | R13210 | ENGG. MECHANICS | 29 | 5 | 0 |
| 15A81A04A7 | R13211 | NETWORK ANALYSIS | 23 | 31 | 3 |
| 15A81A04A7 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 41 | 2 |
| 15A81A04A7 | R13217 | ENGINEERING CHEMISTRY LAB | 24 | 45 | 2 |
| 15A81A04A7 | R13218 | C PROGRAMMING LAB | 23 | 47 | 2 |
| 15A81A04A8 | R13201 | ENGLISH-II | 28 | 34 | 3 |
| 15A81A04A8 | R13202 | MATHEMATICS-III | 28 | 58 | 3 |
| 15A81A04A8 | R13204 | ENGG. CHEMISTRY | 28 | 54 | 3 |
| 15A81A04A8 | R13205 | C PROGRAMMING | 26 | 36 | 3 |
| 15A81A04A8 | R13210 | ENGG. MECHANICS | 26 | 42 | 3 |
| 15A81A04A8 | R13211 | NETWORK ANALYSIS | 24 | 41 | 3 |
| 15A81A04A8 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 46 | 2 |
| 15A81A04A8 | R13217 | ENGINEERING CHEMISTRY LAB | 24 | 48 | 2 |
| 15A81A04A8 | R13218 | C PROGRAMMING LAB | 24 | 46 | 2 |
| 15A81A04A9 | R13201 | ENGLISH-II | 22 | 44 | 3 |
| 15A81A04A9 | R13202 | MATHEMATICS-III | 28 | 37 | 3 |
| 15A81A04A9 | R13204 | ENGG. CHEMISTRY | 17 | 32 | 3 |
| 15A81A04A9 | R13205 | C PROGRAMMING | 25 | 29 | 3 |
| 15A81A04A9 | R13210 | ENGG. MECHANICS | 24 | 12 | 0 |
| 15A81A04A9 | R13211 | NETWORK ANALYSIS | 26 | 5 | 0 |
| 15A81A04A9 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 36 | 2 |
| 15A81A04A9 | R13217 | ENGINEERING CHEMISTRY LAB | 21 | 40 | 2 |
| 15A81A04A9 | R13218 | C PROGRAMMING LAB | 20 | 43 | 2 |
| 15A81A04B0 | R13201 | ENGLISH-II | 29 | 50 | 3 |
| 15A81A04B0 | R13202 | MATHEMATICS-III | 30 | 56 | 3 |
| 15A81A04B0 | R13204 | ENGG. CHEMISTRY | 26 | 42 | 3 |
| 15A81A04B0 | R13205 | C PROGRAMMING | 27 | 47 | 3 |
| 15A81A04B0 | R13210 | ENGG. MECHANICS | 25 | 63 | 3 |
| 15A81A04B0 | R13211 | NETWORK ANALYSIS | 26 | 70 | 3 |
| 15A81A04B0 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 23 | 49 | 2 |
| 15A81A04B0 | R13217 | ENGINEERING CHEMISTRY LAB | 24 | 48 | 2 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A04B0 | R13218 | C PROGRAMMING LAB | 25 | 49 | 2 |
| 15A81A04B1 | R13201 | ENGLISH-II | 25 | 41 | 3 |
| 15A81A04B1 | R13202 | MATHEMATICS-III | 28 | 52 | 3 |
| 15A81A04B1 | R13204 | ENGG. CHEMISTRY | 26 | 34 | 3 |
| 15A81A04B1 | R13205 | C PROGRAMMING | 22 | 31 | 3 |
| 15A81A04B1 | R13210 | ENGG. MECHANICS | 29 | 24 | 3 |
| 15A81A04B1 | R13211 | NETWORK ANALYSIS | 26 | 36 | 3 |
| 15A81A04B1 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 44 | 2 |
| 15A81A04B1 | R13217 | ENGINEERING CHEMISTRY LAB | 24 | 47 | 2 |
| 15A81A04B1 | R13218 | C PROGRAMMING LAB | 22 | 45 | 2 |
| 15A81A04B2 | R13201 | ENGLISH-II | 25 | 35 | 3 |
| 15A81A04B2 | R13202 | MATHEMATICS-III | 26 | 26 | 3 |
| 15A81A04B2 | R13204 | ENGG. CHEMISTRY | 22 | 28 | 3 |
| 15A81A04B2 | R13205 | C PROGRAMMING | 25 | 16 | 0 |
| 15A81A04B2 | R13210 | ENGG. MECHANICS | 28 | 34 | 3 |
| 15A81A04B2 | R13211 | NETWORK ANALYSIS | 16 | 33 | 3 |
| 15A81A04B2 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 45 | 2 |
| 15A81A04B2 | R13217 | ENGINEERING CHEMISTRY LAB | 22 | 46 | 2 |
| 15A81A04B2 | R13218 | C PROGRAMMING LAB | 21 | 43 | 2 |
| 15A81A04B3 | R13201 | ENGLISH-II | 24 | 49 | 3 |
| 15A81A04B3 | R13202 | MATHEMATICS-III | 24 | 35 | 3 |
| 15A81A04B3 | R13204 | ENGG. CHEMISTRY | 22 | 37 | 3 |
| 15A81A04B3 | R13205 | C PROGRAMMING | 22 | 27 | 3 |
| 15A81A04B3 | R13210 | ENGG. MECHANICS | 23 | 24 | 3 |
| 15A81A04B3 | R13211 | NETWORK ANALYSIS | 12 | 32 | 3 |
| 15A81A04B3 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 32 | 2 |
| 15A81A04B3 | R13217 | ENGINEERING CHEMISTRY LAB | 23 | 46 | 2 |
| 15A81A04B3 | R13218 | C PROGRAMMING LAB | 22 | 43 | 2 |
| 15A81A04B4 | R13201 | ENGLISH-II | 23 | 40 | 3 |
| 15A81A04B4 | R13202 | MATHEMATICS-III | 24 | 30 | 3 |
| 15A81A04B4 | R13204 | ENGG. CHEMISTRY | 21 | 43 | 3 |
| 15A81A04B4 | R13205 | C PROGRAMMING | 23 | 34 | 3 |
| 15A81A04B4 | R13210 | ENGG. MECHANICS | 28 | 47 | 3 |
| 15A81A04B4 | R13211 | NETWORK ANALYSIS | 18 | 24 | 3 |
| 15A81A04B4 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 43 | 2 |
| 15A81A04B4 | R13217 | ENGINEERING CHEMISTRY LAB | 23 | 44 | 2 |
| 15A81A04B4 | R13218 | C PROGRAMMING LAB | 22 | 45 | 2 |
| 15A81A04B5 | R13201 | ENGLISH-II | 23 | 40 | 3 |
| 15A81A04B5 | R13202 | MATHEMATICS-III | 29 | 59 | 3 |
| 15A81A04B5 | R13204 | ENGG. CHEMISTRY | 25 | 10 | 0 |
| 15A81A04B5 | R13205 | C PROGRAMMING | 25 | 24 | 3 |
| 15A81A04B5 | R13210 | ENGG. MECHANICS | 26 | 24 | 3 |
| 15A81A04B5 | R13211 | NETWORK ANALYSIS | 26 | 29 | 3 |
| 15A81A04B5 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 45 | 2 |
| 15A81A04B5 | R13217 | ENGINEERING CHEMISTRY LAB | 21 | 44 | 2 |
| 15A81A04B5 | R13218 | C PROGRAMMING LAB | 22 | 43 | 2 |
| 15A81A04B6 | R13201 | ENGLISH-II | 27 | 37 | 3 |
| 15A81A04B6 | R13202 | MATHEMATICS-III | 28 | 26 | 3 |
| 15A81A04B6 | R13204 | ENGG. CHEMISTRY | 24 | 42 | 3 |
| 15A81A04B6 | R13205 | C PROGRAMMING | 22 | 38 | 3 |
| 15A81A04B6 | R13210 | ENGG. MECHANICS | 24 | 31 | 3 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A04B6 | R13211 | NETWORK ANALYSIS | 24 | 34 | 3 |
| 15A81A04B6 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 48 | 2 |
| 15A81A04B6 | R13217 | ENGINEERING CHEMISTRY LAB | 23 | 46 | 2 |
| 15A81A04B6 | R13218 | C PROGRAMMING LAB | 23 | 48 | 2 |
| 15A81A04B7 | R13201 | ENGLISH-II | 24 | 44 | 3 |
| 15A81A04B7 | R13202 | MATHEMATICS-III | 25 | 38 | 3 |
| 15A81A04B7 | R13204 | ENGG. CHEMISTRY | 23 | 46 | 3 |
| 15A81A04B7 | R13205 | C PROGRAMMING | 25 | 35 | 3 |
| 15A81A04B7 | R13210 | ENGG. MECHANICS | 26 | 29 | 3 |
| 15A81A04B7 | R13211 | NETWORK ANALYSIS | 14 | 26 | 3 |
| 15A81A04B7 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 42 | 2 |
| 15A81A04B7 | R13217 | ENGINEERING CHEMISTRY LAB | 21 | 45 | 2 |
| 15A81A04B7 | R13218 | C PROGRAMMING LAB | 22 | 43 | 2 |
| 15A81A04B8 | R13201 | ENGLISH-II | 27 | 47 | 3 |
| 15A81A04B8 | R13202 | MATHEMATICS-III | 28 | 45 | 3 |
| 15A81A04B8 | R13204 | ENGG. CHEMISTRY | 24 | 35 | 3 |
| 15A81A04B8 | R13205 | C PROGRAMMING | 24 | 36 | 3 |
| 15A81A04B8 | R13210 | ENGG. MECHANICS | 28 | 38 | 3 |
| 15A81A04B8 | R13211 | NETWORK ANALYSIS | 22 | 25 | 3 |
| 15A81A04B8 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 46 | 2 |
| 15A81A04B8 | R13217 | ENGINEERING CHEMISTRY LAB | 23 | 48 | 2 |
| 15A81A04B8 | R13218 | C PROGRAMMING LAB | 21 | 45 | 2 |
| 15A81A04B9 | R13201 | ENGLISH-II | 26 | 40 | 3 |
| 15A81A04B9 | R13202 | MATHEMATICS-III | 28 | 56 | 3 |
| 15A81A04B9 | R13204 | ENGG. CHEMISTRY | 26 | 30 | 3 |
| 15A81A04B9 | R13205 | C PROGRAMMING | 26 | 26 | 3 |
| 15A81A04B9 | R13210 | ENGG. MECHANICS | 26 | 10 | 0 |
| 15A81A04B9 | R13211 | NETWORK ANALYSIS | 28 | 30 | 3 |
| 15A81A04B9 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 41 | 2 |
| 15A81A04B9 | R13217 | ENGINEERING CHEMISTRY LAB | 24 | 46 | 2 |
| 15A81A04B9 | R13218 | C PROGRAMMING LAB | 23 | 46 | 2 |
| 15A81A04C0 | R13201 | ENGLISH-II | 22 | 31 | 3 |
| 15A81A04C0 | R13202 | MATHEMATICS-III | 20 | 42 | 3 |
| 15A81A04C0 | R13204 | ENGG. CHEMISTRY | 25 | 29 | 3 |
| 15A81A04C0 | R13205 | C PROGRAMMING | 25 | 47 | 3 |
| 15A81A04C0 | R13210 | ENGG. MECHANICS | 27 | 33 | 3 |
| 15A81A04C0 | R13211 | NETWORK ANALYSIS | 27 | 35 | 3 |
| 15A81A04C0 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 46 | 2 |
| 15A81A04C0 | R13217 | ENGINEERING CHEMISTRY LAB | 23 | 47 | 2 |
| 15A81A04C0 | R13218 | C PROGRAMMING LAB | 24 | 49 | 2 |
| 15A81A04C1 | R13201 | ENGLISH-II | 24 | 52 | 3 |
| 15A81A04C1 | R13202 | MATHEMATICS-III | 27 | 52 | 3 |
| 15A81A04C1 | R13204 | ENGG. CHEMISTRY | 18 | 42 | 3 |
| 15A81A04C1 | R13205 | C PROGRAMMING | 26 | 33 | 3 |
| 15A81A04C1 | R13210 | ENGG. MECHANICS | 29 | 47 | 3 |
| 15A81A04C1 | R13211 | NETWORK ANALYSIS | 22 | 39 | 3 |
| 15A81A04C1 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 44 | 2 |
| 15A81A04C1 | R13217 | ENGINEERING CHEMISTRY LAB | 21 | 45 | 2 |
| 15A81A04C1 | R13218 | C PROGRAMMING LAB | 22 | 40 | 2 |
| 15A81A04C2 | R13201 | ENGLISH-II | 22 | 37 | 3 |
| 15A81A04C2 | R13202 | MATHEMATICS-III | 19 | 26 | 3 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A04C2 | R13204 | ENGG. CHEMISTRY | 18 | 27 | 3 |
| 15A81A04C2 | R13205 | C PROGRAMMING | 27 | 24 | 3 |
| 15A81A04C2 | R13210 | ENGG. MECHANICS | 26 | 53 | 3 |
| 15A81A04C2 | R13211 | NETWORK ANALYSIS | 18 | 29 | 3 |
| 15A81A04C2 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 38 | 2 |
| 15A81A04C2 | R13217 | ENGINEERING CHEMISTRY LAB | 20 | 41 | 2 |
| 15A81A04C2 | R13218 | C PROGRAMMING LAB | 20 | 35 | 2 |
| 15A81A04C4 | R13201 | ENGLISH-II | 23 | 36 | 3 |
| 15A81A04C4 | R13202 | MATHEMATICS-III | 23 | 50 | 3 |
| 15A81A04C4 | R13204 | ENGG. CHEMISTRY | 17 | 32 | 3 |
| 15A81A04C4 | R13205 | C PROGRAMMING | 24 | 31 | 3 |
| 15A81A04C4 | R13210 | ENGG. MECHANICS | 23 | 10 | 0 |
| 15A81A04C4 | R13211 | NETWORK ANALYSIS | 17 | 28 | 3 |
| 15A81A04C4 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 40 | 2 |
| 15A81A04C4 | R13217 | ENGINEERING CHEMISTRY LAB | 19 | 36 | 2 |
| 15A81A04C4 | R13218 | C PROGRAMMING LAB | 21 | 35 | 2 |
| 15A81A04C5 | R13201 | ENGLISH-II | 28 | 51 | 3 |
| 15A81A04C5 | R13202 | MATHEMATICS-III | 28 | 64 | 3 |
| 15A81A04C5 | R13204 | ENGG. CHEMISTRY | 25 | 58 | 3 |
| 15A81A04C5 | R13205 | C PROGRAMMING | 28 | 58 | 3 |
| 15A81A04C5 | R13210 | ENGG. MECHANICS | 30 | 53 | 3 |
| 15A81A04C5 | R13211 | NETWORK ANALYSIS | 26 | 34 | 3 |
| 15A81A04C5 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 24 | 48 | 2 |
| 15A81A04C5 | R13217 | ENGINEERING CHEMISTRY LAB | 25 | 50 | 2 |
| 15A81A04C5 | R13218 | C PROGRAMMING LAB | 22 | 48 | 2 |
| 15A81A04C6 | R13201 | ENGLISH-II | 24 | 48 | 3 |
| 15A81A04C6 | R13202 | MATHEMATICS-III | 25 | 52 | 3 |
| 15A81A04C6 | R13204 | ENGG. CHEMISTRY | 20 | 42 | 3 |
| 15A81A04C6 | R13205 | C PROGRAMMING | 26 | 28 | 3 |
| 15A81A04C6 | R13210 | ENGG. MECHANICS | 28 | 39 | 3 |
| 15A81A04C6 | R13211 | NETWORK ANALYSIS | 26 | 43 | 3 |
| 15A81A04C6 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 23 | 48 | 2 |
| 15A81A04C6 | R13217 | ENGINEERING CHEMISTRY LAB | 23 | 47 | 2 |
| 15A81A04C6 | R13218 | C PROGRAMMING LAB | 23 | 40 | 2 |
| 15A81A04C7 | R13201 | ENGLISH-II | 24 | 38 | 3 |
| 15A81A04C7 | R13202 | MATHEMATICS-III | 25 | 42 | 3 |
| 15A81A04C7 | R13204 | ENGG. CHEMISTRY | 18 | 26 | 3 |
| 15A81A04C7 | R13205 | C PROGRAMMING | 23 | 24 | 3 |
| 15A81A04C7 | R13210 | ENGG. MECHANICS | 29 | 35 | 3 |
| 15A81A04C7 | R13211 | NETWORK ANALYSIS | 23 | 27 | 3 |
| 15A81A04C7 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 18 | 44 | 2 |
| 15A81A04C7 | R13217 | ENGINEERING CHEMISTRY LAB | 22 | 46 | 2 |
| 15A81A04C7 | R13218 | C PROGRAMMING LAB | 21 | 35 | 2 |
| 15A81A04C8 | R13201 | ENGLISH-II | 25 | 33 | 3 |
| 15A81A04C8 | R13202 | MATHEMATICS-III | 28 | 47 | 3 |
| 15A81A04C8 | R13204 | ENGG. CHEMISTRY | 18 | 27 | 3 |
| 15A81A04C8 | R13205 | C PROGRAMMING | 25 | 31 | 3 |
| 15A81A04C8 | R13210 | ENGG. MECHANICS | 27 | 5 | 0 |
| 15A81A04C8 | R13211 | NETWORK ANALYSIS | 22 | 9 | 0 |
| 15A81A04C8 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 36 | 2 |
| 15A81A04C8 | R13217 | ENGINEERING CHEMISTRY LAB | 21 | 45 | 2 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A04C8 | R13218 | C PROGRAMMING LAB | 21 | 40 | 2 |
| 15A81A04C9 | R13201 | ENGLISH-II | 24 | 51 | 3 |
| 15A81A04C9 | R13202 | MATHEMATICS-III | 28 | 43 | 3 |
| 15A81A04C9 | R13204 | ENGG. CHEMISTRY | 22 | 46 | 3 |
| 15A81A04C9 | R13205 | C PROGRAMMING | 25 | 44 | 3 |
| 15A81A04C9 | R13210 | ENGG. MECHANICS | 29 | 39 | 3 |
| 15A81A04C9 | R13211 | NETWORK ANALYSIS | 25 | 34 | 3 |
| 15A81A04C9 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 47 | 2 |
| 15A81A04C9 | R13217 | ENGINEERING CHEMISTRY LAB | 22 | 46 | 2 |
| 15A81A04C9 | R13218 | C PROGRAMMING LAB | 20 | 41 | 2 |
| 15A81A04D0 | R13201 | ENGLISH-II | 25 | 36 | 3 |
| 15A81A04D0 | R13202 | MATHEMATICS-III | 27 | 41 | 3 |
| 15A81A04D0 | R13204 | ENGG. CHEMISTRY | 18 | 32 | 3 |
| 15A81A04D0 | R13205 | C PROGRAMMING | 22 | 29 | 3 |
| 15A81A04D0 | R13210 | ENGG. MECHANICS | 27 | 35 | 3 |
| 15A81A04D0 | R13211 | NETWORK ANALYSIS | 19 | 9 | 0 |
| 15A81A04D0 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 47 | 2 |
| 15A81A04D0 | R13217 | ENGINEERING CHEMISTRY LAB | 21 | 44 | 2 |
| 15A81A04D0 | R13218 | C PROGRAMMING LAB | 21 | 40 | 2 |
| 15A81A04D1 | R13201 | ENGLISH-II | 26 | 44 | 3 |
| 15A81A04D1 | R13202 | MATHEMATICS-III | 29 | 56 | 3 |
| 15A81A04D1 | R13204 | ENGG. CHEMISTRY | 24 | 42 | 3 |
| 15A81A04D1 | R13205 | C PROGRAMMING | 27 | 33 | 3 |
| 15A81A04D1 | R13210 | ENGG. MECHANICS | 30 | 48 | 3 |
| 15A81A04D1 | R13211 | NETWORK ANALYSIS | 23 | 46 | 3 |
| 15A81A04D1 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 24 | 48 | 2 |
| 15A81A04D1 | R13217 | ENGINEERING CHEMISTRY LAB | 21 | 45 | 2 |
| 15A81A04D1 | R13218 | C PROGRAMMING LAB | 23 | 45 | 2 |
| 15A81A04D2 | R13201 | ENGLISH-II | 21 | 31 | 3 |
| 15A81A04D2 | R13202 | MATHEMATICS-III | 15 | 29 | 3 |
| 15A81A04D2 | R13204 | ENGG. CHEMISTRY | 12 | 15 | 0 |
| 15A81A04D2 | R13205 | C PROGRAMMING | 22 | 10 | 0 |
| 15A81A04D2 | R13210 | ENGG. MECHANICS | 24 | 9 | 0 |
| 15A81A04D2 | R13211 | NETWORK ANALYSIS | 12 | 0 | 0 |
| 15A81A04D2 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 41 | 2 |
| 15A81A04D2 | R13217 | ENGINEERING CHEMISTRY LAB | 15 | 25 | 2 |
| 15A81A04D2 | R13218 | C PROGRAMMING LAB | 19 | 30 | 2 |
| 15A81A04D3 | R13201 | ENGLISH-II | 25 | 47 | 3 |
| 15A81A04D3 | R13202 | MATHEMATICS-III | 26 | 30 | 3 |
| 15A81A04D3 | R13204 | ENGG. CHEMISTRY | 15 | 15 | 0 |
| 15A81A04D3 | R13205 | C PROGRAMMING | 22 | 24 | 3 |
| 15A81A04D3 | R13210 | ENGG. MECHANICS | 28 | 24 | 3 |
| 15A81A04D3 | R13211 | NETWORK ANALYSIS | 23 | 33 | 3 |
| 15A81A04D3 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 37 | 2 |
| 15A81A04D3 | R13217 | ENGINEERING CHEMISTRY LAB | 18 | 28 | 2 |
| 15A81A04D3 | R13218 | C PROGRAMMING LAB | 20 | 35 | 2 |
| 15A81A04D4 | R13201 | ENGLISH-II | 26 | 49 | 3 |
| 15A81A04D4 | R13202 | MATHEMATICS-III | 29 | 49 | 3 |
| 15A81A04D4 | R13204 | ENGG. CHEMISTRY | 22 | 60 | 3 |
| 15A81A04D4 | R13205 | C PROGRAMMING | 27 | 35 | 3 |
| 15A81A04D4 | R13210 | ENGG. MECHANICS | 29 | 29 | 3 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A04D4 | R13211 | NETWORK ANALYSIS | 26 | 33 | 3 |
| 15A81A04D4 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 24 | 48 | 2 |
| 15A81A04D4 | R13217 | ENGINEERING CHEMISTRY LAB | 22 | 45 | 2 |
| 15A81A04D4 | R13218 | C PROGRAMMING LAB | 22 | 40 | 2 |
| 15A81A04D5 | R13201 | ENGLISH-II | 26 | 44 | 3 |
| 15A81A04D5 | R13202 | MATHEMATICS-III | 29 | 41 | 3 |
| 15A81A04D5 | R13204 | ENGG. CHEMISTRY | 20 | 13 | 0 |
| 15A81A04D5 | R13205 | C PROGRAMMING | 28 | 28 | 3 |
| 15A81A04D5 | R13210 | ENGG. MECHANICS | 28 | 30 | 3 |
| 15A81A04D5 | R13211 | NETWORK ANALYSIS | 21 | 28 | 3 |
| 15A81A04D5 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 24 | 48 | 2 |
| 15A81A04D5 | R13217 | ENGINEERING CHEMISTRY LAB | 23 | 47 | 2 |
| 15A81A04D5 | R13218 | C PROGRAMMING LAB | 22 | 45 | 2 |
| 15A81A04D6 | R13201 | ENGLISH-II | 23 | 24 | 3 |
| 15A81A04D6 | R13202 | MATHEMATICS-III | 30 | 62 | 3 |
| 15A81A04D6 | R13204 | ENGG. CHEMISTRY | 21 | 24 | 3 |
| 15A81A04D6 | R13205 | C PROGRAMMING | 22 | 25 | 3 |
| 15A81A04D6 | R13210 | ENGG. MECHANICS | 25 | 12 | 0 |
| 15A81A04D6 | R13211 | NETWORK ANALYSIS | 26 | 24 | 3 |
| 15A81A04D6 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 19 | 45 | 2 |
| 15A81A04D6 | R13217 | ENGINEERING CHEMISTRY LAB | 20 | 44 | 2 |
| 15A81A04D6 | R13218 | C PROGRAMMING LAB | 18 | 39 | 2 |
| 15A81A04D7 | R13201 | ENGLISH-II | 27 | 44 | 3 |
| 15A81A04D7 | R13202 | MATHEMATICS-III | 27 | 57 | 3 |
| 15A81A04D7 | R13204 | ENGG. CHEMISTRY | 23 | 40 | 3 |
| 15A81A04D7 | R13205 | C PROGRAMMING | 23 | 40 | 3 |
| 15A81A04D7 | R13210 | ENGG. MECHANICS | 29 | 36 | 3 |
| 15A81A04D7 | R13211 | NETWORK ANALYSIS | 27 | 36 | 3 |
| 15A81A04D7 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 24 | 45 | 2 |
| 15A81A04D7 | R13217 | ENGINEERING CHEMISTRY LAB | 24 | 48 | 2 |
| 15A81A04D7 | R13218 | C PROGRAMMING LAB | 22 | 44 | 2 |
| 15A81A04D8 | R13201 | ENGLISH-II | 28 | 45 | 3 |
| 15A81A04D8 | R13202 | MATHEMATICS-III | 29 | 51 | 3 |
| 15A81A04D8 | R13204 | ENGG. CHEMISTRY | 20 | 50 | 3 |
| 15A81A04D8 | R13205 | C PROGRAMMING | 24 | 28 | 3 |
| 15A81A04D8 | R13210 | ENGG. MECHANICS | 29 | 43 | 3 |
| 15A81A04D8 | R13211 | NETWORK ANALYSIS | 26 | 40 | 3 |
| 15A81A04D8 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 23 | 45 | 2 |
| 15A81A04D8 | R13217 | ENGINEERING CHEMISTRY LAB | 23 | 44 | 2 |
| 15A81A04D8 | R13218 | C PROGRAMMING LAB | 21 | 45 | 2 |
| 15A81A04D9 | R13201 | ENGLISH-II | 20 | 38 | 3 |
| 15A81A04D9 | R13202 | MATHEMATICS-III | 29 | 45 | 3 |
| 15A81A04D9 | R13204 | ENGG. CHEMISTRY | 20 | 34 | 3 |
| 15A81A04D9 | R13205 | C PROGRAMMING | 26 | 29 | 3 |
| 15A81A04D9 | R13210 | ENGG. MECHANICS | 25 | 37 | 3 |
| 15A81A04D9 | R13211 | NETWORK ANALYSIS | 22 | 36 | 3 |
| 15A81A04D9 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 45 | 2 |
| 15A81A04D9 | R13217 | ENGINEERING CHEMISTRY LAB | 23 | 45 | 2 |
| 15A81A04D9 | R13218 | C PROGRAMMING LAB | 19 | 43 | 2 |
| 15A81A04E0 | R13201 | ENGLISH-II | 28 | 40 | 3 |
| 15A81A04E0 | R13202 | MATHEMATICS-III | 28 | 58 | 3 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A04E0 | R13204 | ENGG. CHEMISTRY | 25 | 41 | 3 |
| 15A81A04E0 | R13205 | C PROGRAMMING | 26 | 38 | 3 |
| 15A81A04E0 | R13210 | ENGG. MECHANICS | 30 | 24 | 3 |
| 15A81A04E0 | R13211 | NETWORK ANALYSIS | 26 | 46 | 3 |
| 15A81A04E0 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 24 | 48 | 2 |
| 15A81A04E0 | R13217 | ENGINEERING CHEMISTRY LAB | 24 | 49 | 2 |
| 15A81A04E0 | R13218 | C PROGRAMMING LAB | 24 | 45 | 2 |
| 15A81A04E2 | R13201 | ENGLISH-II | 24 | 51 | 3 |
| 15A81A04E2 | R13202 | MATHEMATICS-III | 26 | 66 | 3 |
| 15A81A04E2 | R13204 | ENGG. CHEMISTRY | 25 | 54 | 3 |
| 15A81A04E2 | R13205 | C PROGRAMMING | 25 | 33 | 3 |
| 15A81A04E2 | R13210 | ENGG. MECHANICS | 27 | 42 | 3 |
| 15A81A04E2 | R13211 | NETWORK ANALYSIS | 26 | 47 | 3 |
| 15A81A04E2 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 23 | 47 | 2 |
| 15A81A04E2 | R13217 | ENGINEERING CHEMISTRY LAB | 23 | 47 | 2 |
| 15A81A04E2 | R13218 | C PROGRAMMING LAB | 20 | 42 | 2 |
| 15A81A04E3 | R13201 | ENGLISH-II | 25 | 54 | 3 |
| 15A81A04E3 | R13202 | MATHEMATICS-III | 25 | 38 | 3 |
| 15A81A04E3 | R13204 | ENGG. CHEMISTRY | 18 | 38 | 3 |
| 15A81A04E3 | R13205 | C PROGRAMMING | 23 | 39 | 3 |
| 15A81A04E3 | R13210 | ENGG. MECHANICS | 25 | 36 | 3 |
| 15A81A04E3 | R13211 | NETWORK ANALYSIS | 24 | 30 | 3 |
| 15A81A04E3 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 43 | 2 |
| 15A81A04E3 | R13217 | ENGINEERING CHEMISTRY LAB | 22 | 44 | 2 |
| 15A81A04E3 | R13218 | C PROGRAMMING LAB | 22 | 44 | 2 |
| 15A81A04E4 | R13201 | ENGLISH-II | 24 | 28 | 3 |
| 15A81A04E4 | R13202 | MATHEMATICS-III | 18 | 31 | 3 |
| 15A81A04E4 | R13204 | ENGG. CHEMISTRY | 15 | 11 | 0 |
| 15A81A04E4 | R13205 | C PROGRAMMING | 17 | 10 | 0 |
| 15A81A04E4 | R13210 | ENGG. MECHANICS | 26 | 34 | 3 |
| 15A81A04E4 | R13211 | NETWORK ANALYSIS | 21 | 24 | 3 |
| 15A81A04E4 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 17 | 40 | 2 |
| 15A81A04E4 | R13217 | ENGINEERING CHEMISTRY LAB | 22 | 44 | 2 |
| 15A81A04E4 | R13218 | C PROGRAMMING LAB | 18 | 35 | 2 |
| 15A81A04E5 | R13201 | ENGLISH-II | 26 | 37 | 3 |
| 15A81A04E5 | R13202 | MATHEMATICS-III | 29 | 64 | 3 |
| 15A81A04E5 | R13204 | ENGG. CHEMISTRY | 24 | 34 | 3 |
| 15A81A04E5 | R13205 | C PROGRAMMING | 25 | 30 | 3 |
| 15A81A04E5 | R13210 | ENGG. MECHANICS | 25 | 24 | 3 |
| 15A81A04E5 | R13211 | NETWORK ANALYSIS | 24 | 31 | 3 |
| 15A81A04E5 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 45 | 2 |
| 15A81A04E5 | R13217 | ENGINEERING CHEMISTRY LAB | 22 | 47 | 2 |
| 15A81A04E5 | R13218 | C PROGRAMMING LAB | 22 | 40 | 2 |
| 15A81A04E6 | R13201 | ENGLISH-II | 27 | 51 | 3 |
| 15A81A04E6 | R13202 | MATHEMATICS-III | 28 | 51 | 3 |
| 15A81A04E6 | R13204 | ENGG. CHEMISTRY | 23 | 41 | 3 |
| 15A81A04E6 | R13205 | C PROGRAMMING | 25 | 45 | 3 |
| 15A81A04E6 | R13210 | ENGG. MECHANICS | 29 | 61 | 3 |
| 15A81A04E6 | R13211 | NETWORK ANALYSIS | 25 | 45 | 3 |
| 15A81A04E6 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 24 | 45 | 2 |
| 15A81A04E6 | R13217 | ENGINEERING CHEMISTRY LAB | 22 | 46 | 2 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A04E6 | R13218 | C PROGRAMMING LAB | 23 | 35 | 2 |
| 15A81A04E7 | R13201 | ENGLISH-II | 21 | 25 | 3 |
| 15A81A04E7 | R13202 | MATHEMATICS-III | 16 | 3 | 0 |
| 15A81A04E7 | R13204 | ENGG. CHEMISTRY | 14 | 7 | 0 |
| 15A81A04E7 | R13205 | C PROGRAMMING | 21 | 2 | 0 |
| 15A81A04E7 | R13210 | ENGG. MECHANICS | 24 | 2 | 0 |
| 15A81A04E7 | R13211 | NETWORK ANALYSIS | 16 | 4 | 0 |
| 15A81A04E7 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 37 | 2 |
| 15A81A04E7 | R13217 | ENGINEERING CHEMISTRY LAB | 20 | 43 | 2 |
| 15A81A04E7 | R13218 | C PROGRAMMING LAB | 20 | 34 | 2 |
| 15A81A04E8 | R13201 | ENGLISH-II | 22 | 35 | 3 |
| 15A81A04E8 | R13202 | MATHEMATICS-III | 27 | 24 | 3 |
| 15A81A04E8 | R13204 | ENGG. CHEMISTRY | 19 | 9 | 0 |
| 15A81A04E8 | R13205 | C PROGRAMMING | 19 | 29 | 3 |
| 15A81A04E8 | R13210 | ENGG. MECHANICS | 26 | 11 | 0 |
| 15A81A04E8 | R13211 | NETWORK ANALYSIS | 20 | 3 | 0 |
| 15A81A04E8 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 42 | 2 |
| 15A81A04E8 | R13217 | ENGINEERING CHEMISTRY LAB | 20 | 41 | 2 |
| 15A81A04E8 | R13218 | C PROGRAMMING LAB | 22 | 33 | 2 |
| 15A81A04E9 | R13201 | ENGLISH-II | 24 | 39 | 3 |
| 15A81A04E9 | R13202 | MATHEMATICS-III | 23 | 58 | 3 |
| 15A81A04E9 | R13204 | ENGG. CHEMISTRY | 17 | 24 | 3 |
| 15A81A04E9 | R13205 | C PROGRAMMING | 21 | 14 | 0 |
| 15A81A04E9 | R13210 | ENGG. MECHANICS | 28 | 10 | 0 |
| 15A81A04E9 | R13211 | NETWORK ANALYSIS | 24 | 30 | 3 |
| 15A81A04E9 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 38 | 2 |
| 15A81A04E9 | R13217 | ENGINEERING CHEMISTRY LAB | 21 | 44 | 2 |
| 15A81A04E9 | R13218 | C PROGRAMMING LAB | 21 | 35 | 2 |
| 15A81A04F0 | R13201 | ENGLISH-II | 27 | 55 | 3 |
| 15A81A04F0 | R13202 | MATHEMATICS-III | 28 | 66 | 3 |
| 15A81A04F0 | R13204 | ENGG. CHEMISTRY | 23 | 54 | 3 |
| 15A81A04F0 | R13205 | C PROGRAMMING | 29 | 42 | 3 |
| 15A81A04F0 | R13210 | ENGG. MECHANICS | 30 | 53 | 3 |
| 15A81A04F0 | R13211 | NETWORK ANALYSIS | 27 | 43 | 3 |
| 15A81A04F0 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 23 | 47 | 2 |
| 15A81A04F0 | R13217 | ENGINEERING CHEMISTRY LAB | 25 | 49 | 2 |
| 15A81A04F0 | R13218 | C PROGRAMMING LAB | 23 | 44 | 2 |
| 15A81A04F1 | R13201 | ENGLISH-II | 26 | 34 | 3 |
| 15A81A04F1 | R13202 | MATHEMATICS-III | 19 | 40 | 3 |
| 15A81A04F1 | R13204 | ENGG. CHEMISTRY | 14 | 29 | 3 |
| 15A81A04F1 | R13205 | C PROGRAMMING | 22 | 28 | 3 |
| 15A81A04F1 | R13210 | ENGG. MECHANICS | 23 | 24 | 3 |
| 15A81A04F1 | R13211 | NETWORK ANALYSIS | 22 | 25 | 3 |
| 15A81A04F1 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 42 | 2 |
| 15A81A04F1 | R13217 | ENGINEERING CHEMISTRY LAB | 21 | 43 | 2 |
| 15A81A04F1 | R13218 | C PROGRAMMING LAB | 21 | 37 | 2 |
| 15A81A04F2 | R13201 | ENGLISH-II | 27 | 43 | 3 |
| 15A81A04F2 | R13202 | MATHEMATICS-III | 29 | 46 | 3 |
| 15A81A04F2 | R13204 | ENGG. CHEMISTRY | 23 | 56 | 3 |
| 15A81A04F2 | R13205 | C PROGRAMMING | 26 | 44 | 3 |
| 15A81A04F2 | R13210 | ENGG. MECHANICS | 30 | 62 | 3 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A04F2 | R13211 | NETWORK ANALYSIS | 23 | 39 | 3 |
| 15A81A04F2 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 23 | 46 | 2 |
| 15A81A04F2 | R13217 | ENGINEERING CHEMISTRY LAB | 24 | 48 | 2 |
| 15A81A04F2 | R13218 | C PROGRAMMING LAB | 22 | 40 | 2 |
| 15A81A04F3 | R13201 | ENGLISH-II | 25 | 28 | 3 |
| 15A81A04F3 | R13202 | MATHEMATICS-III | 25 | 40 | 3 |
| 15A81A04F3 | R13204 | ENGG. CHEMISTRY | 19 | 8 | 0 |
| 15A81A04F3 | R13205 | C PROGRAMMING | 22 | 24 | 3 |
| 15A81A04F3 | R13210 | ENGG. MECHANICS | 28 | 11 | 0 |
| 15A81A04F3 | R13211 | NETWORK ANALYSIS | 18 | 5 | 0 |
| 15A81A04F3 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 41 | 2 |
| 15A81A04F3 | R13217 | ENGINEERING CHEMISTRY LAB | 20 | 43 | 2 |
| 15A81A04F3 | R13218 | C PROGRAMMING LAB | 23 | 39 | 2 |
| 15A81A04F4 | R13201 | ENGLISH-II | 24 | 50 | 3 |
| 15A81A04F4 | R13202 | MATHEMATICS-III | 29 | 35 | 3 |
| 15A81A04F4 | R13204 | ENGG. CHEMISTRY | 20 | 29 | 3 |
| 15A81A04F4 | R13205 | C PROGRAMMING | 21 | 29 | 3 |
| 15A81A04F4 | R13210 | ENGG. MECHANICS | 28 | 11 | 0 |
| 15A81A04F4 | R13211 | NETWORK ANALYSIS | 23 | 7 | 0 |
| 15A81A04F4 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 23 | 42 | 2 |
| 15A81A04F4 | R13217 | ENGINEERING CHEMISTRY LAB | 22 | 45 | 2 |
| 15A81A04F4 | R13218 | C PROGRAMMING LAB | 21 | 38 | 2 |
| 15A81A04F5 | R13201 | ENGLISH-II | 23 | 37 | 3 |
| 15A81A04F5 | R13202 | MATHEMATICS-III | 24 | 55 | 3 |
| 15A81A04F5 | R13204 | ENGG. CHEMISTRY | 18 | 31 | 3 |
| 15A81A04F5 | R13205 | C PROGRAMMING | 26 | 35 | 3 |
| 15A81A04F5 | R13210 | ENGG. MECHANICS | 30 | 28 | 3 |
| 15A81A04F5 | R13211 | NETWORK ANALYSIS | 19 | 39 | 3 |
| 15A81A04F5 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 45 | 2 |
| 15A81A04F5 | R13217 | ENGINEERING CHEMISTRY LAB | 22 | 44 | 2 |
| 15A81A04F5 | R13218 | C PROGRAMMING LAB | 21 | 39 | 2 |
| 15A81A04F6 | R13201 | ENGLISH-II | 18 | 28 | 3 |
| 15A81A04F6 | R13202 | MATHEMATICS-III | 13 | 13 | 0 |
| 15A81A04F6 | R13204 | ENGG. CHEMISTRY | 12 | 1 | 0 |
| 15A81A04F6 | R13205 | C PROGRAMMING | 18 | 11 | 0 |
| 15A81A04F6 | R13210 | ENGG. MECHANICS | 20 | 24 | 3 |
| 15A81A04F6 | R13211 | NETWORK ANALYSIS | 12 | 1 | 0 |
| 15A81A04F6 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 38 | 2 |
| 15A81A04F6 | R13217 | ENGINEERING CHEMISTRY LAB | 17 | 25 | 2 |
| 15A81A04F6 | R13218 | C PROGRAMMING LAB | 20 | 30 | 2 |
| 15A81A04F7 | R13201 | ENGLISH-II | 23 | 24 | 3 |
| 15A81A04F7 | R13202 | MATHEMATICS-III | 28 | 58 | 3 |
| 15A81A04F7 | R13204 | ENGG. CHEMISTRY | 19 | 10 | 0 |
| 15A81A04F7 | R13205 | C PROGRAMMING | 17 | 28 | 3 |
| 15A81A04F7 | R13210 | ENGG. MECHANICS | 21 | 9 | 0 |
| 15A81A04F7 | R13211 | NETWORK ANALYSIS | 22 | 24 | 3 |
| 15A81A04F7 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 42 | 2 |
| 15A81A04F7 | R13217 | ENGINEERING CHEMISTRY LAB | 20 | 44 | 2 |
| 15A81A04F7 | R13218 | C PROGRAMMING LAB | 21 | 43 | 2 |
| 15A81A04F8 | R13201 | ENGLISH-II | 28 | 53 | 3 |
| 15A81A04F8 | R13202 | MATHEMATICS-III | 29 | 58 | 3 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A04F8 | R13204 | ENGG. CHEMISTRY | 24 | 61 | 3 |
| 15A81A04F8 | R13205 | C PROGRAMMING | 25 | 53 | 3 |
| 15A81A04F8 | R13210 | ENGG. MECHANICS | 27 | 51 | 3 |
| 15A81A04F8 | R13211 | NETWORK ANALYSIS | 26 | 39 | 3 |
| 15A81A04F8 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 23 | 46 | 2 |
| 15A81A04F8 | R13217 | ENGINEERING CHEMISTRY LAB | 22 | 46 | 2 |
| 15A81A04F8 | R13218 | C PROGRAMMING LAB | 23 | 45 | 2 |
| 15A81A04F9 | R13201 | ENGLISH-II | 26 | 43 | 3 |
| 15A81A04F9 | R13202 | MATHEMATICS-III | 25 | 45 | 3 |
| 15A81A04F9 | R13204 | ENGG. CHEMISTRY | 18 | 15 | 0 |
| 15A81A04F9 | R13205 | C PROGRAMMING | 19 | 24 | 3 |
| 15A81A04F9 | R13210 | ENGG. MECHANICS | 26 | 27 | 3 |
| 15A81A04F9 | R13211 | NETWORK ANALYSIS | 18 | 24 | 3 |
| 15A81A04F9 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 40 | 2 |
| 15A81A04F9 | R13217 | ENGINEERING CHEMISTRY LAB | 20 | 45 | 2 |
| 15A81A04F9 | R13218 | C PROGRAMMING LAB | 22 | 39 | 2 |
| 15A81A04G0 | R13201 | ENGLISH-II | 25 | 39 | 3 |
| 15A81A04G0 | R13202 | MATHEMATICS-III | 23 | 38 | 3 |
| 15A81A04G0 | R13204 | ENGG. CHEMISTRY | 23 | 11 | 0 |
| 15A81A04G0 | R13205 | C PROGRAMMING | 24 | 33 | 3 |
| 15A81A04G0 | R13210 | ENGG. MECHANICS | 23 | 33 | 3 |
| 15A81A04G0 | R13211 | NETWORK ANALYSIS | 23 | 24 | 3 |
| 15A81A04G0 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 40 | 2 |
| 15A81A04G0 | R13217 | ENGINEERING CHEMISTRY LAB | 21 | 46 | 2 |
| 15A81A04G0 | R13218 | C PROGRAMMING LAB | 20 | 37 | 2 |
| 15A81A04G1 | R13201 | ENGLISH-II | 28 | 41 | 3 |
| 15A81A04G1 | R13202 | MATHEMATICS-III | 28 | 55 | 3 |
| 15A81A04G1 | R13204 | ENGG. CHEMISTRY | 22 | 47 | 3 |
| 15A81A04G1 | R13205 | C PROGRAMMING | 25 | 36 | 3 |
| 15A81A04G1 | R13210 | ENGG. MECHANICS | 27 | 29 | 3 |
| 15A81A04G1 | R13211 | NETWORK ANALYSIS | 27 | 38 | 3 |
| 15A81A04G1 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 23 | 47 | 2 |
| 15A81A04G1 | R13217 | ENGINEERING CHEMISTRY LAB | 25 | 49 | 2 |
| 15A81A04G1 | R13218 | C PROGRAMMING LAB | 22 | 40 | 2 |
| 15A81A04G2 | R13201 | ENGLISH-II | 22 | 54 | 3 |
| 15A81A04G2 | R13202 | MATHEMATICS-III | 22 | 28 | 3 |
| 15A81A04G2 | R13204 | ENGG. CHEMISTRY | 14 | 59 | 3 |
| 15A81A04G2 | R13205 | C PROGRAMMING | 23 | 39 | 3 |
| 15A81A04G2 | R13210 | ENGG. MECHANICS | 28 | 32 | 3 |
| 15A81A04G2 | R13211 | NETWORK ANALYSIS | 20 | 4 | 0 |
| 15A81A04G2 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 44 | 2 |
| 15A81A04G2 | R13217 | ENGINEERING CHEMISTRY LAB | 21 | 44 | 2 |
| 15A81A04G2 | R13218 | C PROGRAMMING LAB | 21 | 39 | 2 |
| 15A81A04G3 | R13201 | ENGLISH-II | 26 | 46 | 3 |
| 15A81A04G3 | R13202 | MATHEMATICS-III | 27 | 55 | 3 |
| 15A81A04G3 | R13204 | ENGG. CHEMISTRY | 19 | 62 | 3 |
| 15A81A04G3 | R13205 | C PROGRAMMING | 26 | 47 | 3 |
| 15A81A04G3 | R13210 | ENGG. MECHANICS | 29 | 38 | 3 |
| 15A81A04G3 | R13211 | NETWORK ANALYSIS | 25 | 56 | 3 |
| 15A81A04G3 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 23 | 42 | 2 |
| 15A81A04G3 | R13217 | ENGINEERING CHEMISTRY LAB | 24 | 46 | 2 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A04G3 | R13218 | C PROGRAMMING LAB | 21 | 44 | 2 |
| 15A81A04G4 | R13201 | ENGLISH-II | 21 | 35 | 3 |
| 15A81A04G4 | R13202 | MATHEMATICS-III | 9 | 14 | 0 |
| 15A81A04G4 | R13204 | ENGG. CHEMISTRY | 8 | 2 | 0 |
| 15A81A04G4 | R13205 | C PROGRAMMING | 12 | 8 | 0 |
| 15A81A04G4 | R13210 | ENGG. MECHANICS | 18 | 8 | 0 |
| 15A81A04G4 | R13211 | NETWORK ANALYSIS | 8 | 0 | 0 |
| 15A81A04G4 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 43 | 2 |
| 15A81A04G4 | R13217 | ENGINEERING CHEMISTRY LAB | 0 | 20 | 0 |
| 15A81A04G4 | R13218 | C PROGRAMMING LAB | 12 | -1 | 0 |
| 15A81A04G5 | R13201 | ENGLISH-II | 27 | 54 | 3 |
| 15A81A04G5 | R13202 | MATHEMATICS-III | 26 | 49 | 3 |
| 15A81A04G5 | R13204 | ENGG. CHEMISTRY | 19 | 30 | 3 |
| 15A81A04G5 | R13205 | C PROGRAMMING | 20 | 28 | 3 |
| 15A81A04G5 | R13210 | ENGG. MECHANICS | 26 | 24 | 3 |
| 15A81A04G5 | R13211 | NETWORK ANALYSIS | 21 | 42 | 3 |
| 15A81A04G5 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 23 | 47 | 2 |
| 15A81A04G5 | R13217 | ENGINEERING CHEMISTRY LAB | 18 | 44 | 2 |
| 15A81A04G5 | R13218 | C PROGRAMMING LAB | 22 | 40 | 2 |
| 15A81A04G6 | R13201 | ENGLISH-II | 27 | 46 | 3 |
| 15A81A04G6 | R13202 | MATHEMATICS-III | 20 | 3 | 0 |
| 15A81A04G6 | R13204 | ENGG. CHEMISTRY | 15 | 48 | 3 |
| 15A81A04G6 | R13205 | C PROGRAMMING | 22 | 10 | 0 |
| 15A81A04G6 | R13210 | ENGG. MECHANICS | 26 | 8 | 0 |
| 15A81A04G6 | R13211 | NETWORK ANALYSIS | 15 | 0 | 0 |
| 15A81A04G6 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 47 | 2 |
| 15A81A04G6 | R13217 | ENGINEERING CHEMISTRY LAB | 19 | 37 | 2 |
| 15A81A04G6 | R13218 | C PROGRAMMING LAB | 22 | 30 | 2 |
| 15A81A04G7 | R13201 | ENGLISH-II | 26 | 47 | 3 |
| 15A81A04G7 | R13202 | MATHEMATICS-III | 23 | 37 | 3 |
| 15A81A04G7 | R13204 | ENGG. CHEMISTRY | 19 | 9 | 0 |
| 15A81A04G7 | R13205 | C PROGRAMMING | 20 | 28 | 3 |
| 15A81A04G7 | R13210 | ENGG. MECHANICS | 29 | 28 | 3 |
| 15A81A04G7 | R13211 | NETWORK ANALYSIS | 20 | 39 | 3 |
| 15A81A04G7 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 40 | 2 |
| 15A81A04G7 | R13217 | ENGINEERING CHEMISTRY LAB | 21 | 45 | 2 |
| 15A81A04G7 | R13218 | C PROGRAMMING LAB | 20 | 35 | 2 |
| 15A81A04G8 | R13201 | ENGLISH-II | 26 | 37 | 3 |
| 15A81A04G8 | R13202 | MATHEMATICS-III | 30 | 56 | 3 |
| 15A81A04G8 | R13204 | ENGG. CHEMISTRY | 20 | 16 | 0 |
| 15A81A04G8 | R13205 | C PROGRAMMING | 24 | 24 | 3 |
| 15A81A04G8 | R13210 | ENGG. MECHANICS | 29 | 48 | 3 |
| 15A81A04G8 | R13211 | NETWORK ANALYSIS | 26 | 12 | 0 |
| 15A81A04G8 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 47 | 2 |
| 15A81A04G8 | R13217 | ENGINEERING CHEMISTRY LAB | 19 | 48 | 2 |
| 15A81A04G8 | R13218 | C PROGRAMMING LAB | 22 | 39 | 2 |
| 15A81A04G9 | R13201 | ENGLISH-II | 24 | 46 | 3 |
| 15A81A04G9 | R13202 | MATHEMATICS-III | 23 | 40 | 3 |
| 15A81A04G9 | R13204 | ENGG. CHEMISTRY | 14 | 10 | 0 |
| 15A81A04G9 | R13205 | C PROGRAMMING | 19 | 24 | 3 |
| 15A81A04G9 | R13210 | ENGG. MECHANICS | 24 | 7 | 0 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A04G9 | R13211 | NETWORK ANALYSIS | 20 | 11 | 0 |
| 15A81A04G9 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 41 | 2 |
| 15A81A04G9 | R13217 | ENGINEERING CHEMISTRY LAB | 22 | 43 | 2 |
| 15A81A04G9 | R13218 | C PROGRAMMING LAB | 20 | 38 | 2 |
| 15A81A04H0 | R13201 | ENGLISH-II | 26 | 46 | 3 |
| 15A81A04H0 | R13202 | MATHEMATICS-III | 24 | 48 | 3 |
| 15A81A04H0 | R13204 | ENGG. CHEMISTRY | 22 | 69 | 3 |
| 15A81A04H0 | R13205 | C PROGRAMMING | 27 | 42 | 3 |
| 15A81A04H0 | R13210 | ENGG. MECHANICS | 29 | 42 | 3 |
| 15A81A04H0 | R13211 | NETWORK ANALYSIS | 27 | 45 | 3 |
| 15A81A04H0 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 24 | 47 | 2 |
| 15A81A04H0 | R13217 | ENGINEERING CHEMISTRY LAB | 23 | 47 | 2 |
| 15A81A04H0 | R13218 | C PROGRAMMING LAB | 24 | 40 | 2 |
| 15A81A04H1 | R13201 | ENGLISH-II | 19 | 42 | 3 |
| 15A81A04H1 | R13202 | MATHEMATICS-III | 18 | 2 | 0 |
| 15A81A04H1 | R13204 | ENGG. CHEMISTRY | 0 | 0 | 0 |
| 15A81A04H1 | R13205 | C PROGRAMMING | 13 | 17 | 0 |
| 15A81A04H1 | R13210 | ENGG. MECHANICS | 11 | 8 | 0 |
| 15A81A04H1 | R13211 | NETWORK ANALYSIS | 14 | 9 | 0 |
| 15A81A04H1 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 23 | 42 | 2 |
| 15A81A04H1 | R13217 | ENGINEERING CHEMISTRY LAB | 9 | -1 | 0 |
| 15A81A04H1 | R13218 | C PROGRAMMING LAB | 12 | 0 | 0 |
| 15A81A04H2 | R13201 | ENGLISH-II | 22 | 42 | 3 |
| 15A81A04H2 | R13202 | MATHEMATICS-III | 28 | 41 | 3 |
| 15A81A04H2 | R13204 | ENGG. CHEMISTRY | 22 | 10 | 0 |
| 15A81A04H2 | R13205 | C PROGRAMMING | 24 | 38 | 3 |
| 15A81A04H2 | R13210 | ENGG. MECHANICS | 24 | 47 | 3 |
| 15A81A04H2 | R13211 | NETWORK ANALYSIS | 23 | 36 | 3 |
| 15A81A04H2 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 23 | 47 | 2 |
| 15A81A04H2 | R13217 | ENGINEERING CHEMISTRY LAB | 22 | 44 | 2 |
| 15A81A04H2 | R13218 | C PROGRAMMING LAB | 21 | 37 | 2 |
| 15A81A04H3 | R13201 | ENGLISH-II | 25 | 51 | 3 |
| 15A81A04H3 | R13202 | MATHEMATICS-III | 28 | 67 | 3 |
| 15A81A04H3 | R13204 | ENGG. CHEMISTRY | 26 | 33 | 3 |
| 15A81A04H3 | R13205 | C PROGRAMMING | 23 | 34 | 3 |
| 15A81A04H3 | R13210 | ENGG. MECHANICS | 29 | 31 | 3 |
| 15A81A04H3 | R13211 | NETWORK ANALYSIS | 25 | 33 | 3 |
| 15A81A04H3 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 23 | 47 | 2 |
| 15A81A04H3 | R13217 | ENGINEERING CHEMISTRY LAB | 20 | 43 | 2 |
| 15A81A04H3 | R13218 | C PROGRAMMING LAB | 20 | 39 | 2 |
| 15A81A04H4 | R13201 | ENGLISH-II | 19 | 46 | 3 |
| 15A81A04H4 | R13202 | MATHEMATICS-III | 22 | 32 | 3 |
| 15A81A04H4 | R13204 | ENGG. CHEMISTRY | 18 | 11 | 0 |
| 15A81A04H4 | R13205 | C PROGRAMMING | 16 | 16 | 0 |
| 15A81A04H4 | R13210 | ENGG. MECHANICS | 25 | 11 | 0 |
| 15A81A04H4 | R13211 | NETWORK ANALYSIS | 17 | 8 | 0 |
| 15A81A04H4 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 42 | 2 |
| 15A81A04H4 | R13217 | ENGINEERING CHEMISTRY LAB | 8 | 40 | 2 |
| 15A81A04H4 | R13218 | C PROGRAMMING LAB | 18 | 36 | 2 |
| 15A81A04H5 | R13201 | ENGLISH-II | 26 | 55 | 3 |
| 15A81A04H5 | R13202 | MATHEMATICS-III | 28 | 52 | 3 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A04H5 | R13204 | ENGG. CHEMISTRY | 25 | 38 | 3 |
| 15A81A04H5 | R13205 | C PROGRAMMING | 24 | 43 | 3 |
| 15A81A04H5 | R13210 | ENGG. MECHANICS | 30 | 40 | 3 |
| 15A81A04H5 | R13211 | NETWORK ANALYSIS | 25 | 53 | 3 |
| 15A81A04H5 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 23 | 42 | 2 |
| 15A81A04H5 | R13217 | ENGINEERING CHEMISTRY LAB | 21 | 44 | 2 |
| 15A81A04H5 | R13218 | C PROGRAMMING LAB | 20 | 40 | 2 |
| 15A81A04H6 | R13201 | ENGLISH-II | 21 | 26 | 3 |
| 15A81A04H6 | R13202 | MATHEMATICS-III | 18 | 28 | 3 |
| 15A81A04H6 | R13204 | ENGG. CHEMISTRY | 11 | 6 | 0 |
| 15A81A04H6 | R13205 | C PROGRAMMING | 17 | 13 | 0 |
| 15A81A04H6 | R13210 | ENGG. MECHANICS | 14 | 6 | 0 |
| 15A81A04H6 | R13211 | NETWORK ANALYSIS | 13 | 2 | 0 |
| 15A81A04H6 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 42 | 2 |
| 15A81A04H6 | R13217 | ENGINEERING CHEMISTRY LAB | 6 | 18 | 0 |
| 15A81A04H6 | R13218 | C PROGRAMMING LAB | 18 | 30 | 2 |
| 15A81A04H7 | R13201 | ENGLISH-II | 20 | 40 | 3 |
| 15A81A04H7 | R13202 | MATHEMATICS-III | 20 | 35 | 3 |
| 15A81A04H7 | R13204 | ENGG. CHEMISTRY | 14 | 7 | 0 |
| 15A81A04H7 | R13205 | C PROGRAMMING | 17 | 11 | 0 |
| 15A81A04H7 | R13210 | ENGG. MECHANICS | 19 | 10 | 0 |
| 15A81A04H7 | R13211 | NETWORK ANALYSIS | 19 | 0 | 0 |
| 15A81A04H7 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 37 | 2 |
| 15A81A04H7 | R13217 | ENGINEERING CHEMISTRY LAB | 15 | 41 | 2 |
| 15A81A04H7 | R13218 | C PROGRAMMING LAB | 17 | 35 | 2 |
| 15A81A0501 | R13201 | ENGLISH-II | 27 | 52 | 3 |
| 15A81A0501 | R13202 | MATHEMATICS-III | 25 | 58 | 3 |
| 15A81A0501 | R13203 | ENGG. PHYSICS | 27 | 24 | 3 |
| 15A81A0501 | R13207 | MATHEMATICS-II (MM) | 28 | 46 | 3 |
| 15A81A0501 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 23 | 37 | 3 |
| 15A81A0501 | R13209 | ENGG. DRAWING | 28 | 45 | 3 |
| 15A81A0501 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 43 | 2 |
| 15A81A0501 | R13214 | ENGINEERING PHYSICS LAB | 23 | 48 | 2 |
| 15A81A0501 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 24 | 45 | 2 |
| 15A81A0502 | R13201 | ENGLISH-II | 24 | 24 | 3 |
| 15A81A0502 | R13202 | MATHEMATICS-III | 21 | 32 | 3 |
| 15A81A0502 | R13203 | ENGG. PHYSICS | 13 | 8 | 0 |
| 15A81A0502 | R13207 | MATHEMATICS-II (MM) | 25 | 24 | 3 |
| 15A81A0502 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 25 | 17 | 0 |
| 15A81A0502 | R13209 | ENGG. DRAWING | 23 | 4 | 0 |
| 15A81A0502 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 41 | 2 |
| 15A81A0502 | R13214 | ENGINEERING PHYSICS LAB | 14 | 37 | 2 |
| 15A81A0502 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 20 | 41 | 2 |
| 15A81A0504 | R13201 | ENGLISH-II | 18 | 32 | 3 |
| 15A81A0504 | R13202 | MATHEMATICS-III | 25 | 40 | 3 |
| 15A81A0504 | R13203 | ENGG. PHYSICS | 26 | 39 | 3 |
| 15A81A0504 | R13207 | MATHEMATICS-II (MM) | 23 | 43 | 3 |
| 15A81A0504 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 23 | 39 | 3 |
| 15A81A0504 | R13209 | ENGG. DRAWING | 25 | 40 | 3 |
| 15A81A0504 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 15 | 40 | 2 |
| 15A81A0504 | R13214 | ENGINEERING PHYSICS LAB | 23 | 45 | 2 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A0504 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 24 | 43 | 2 |
| 15A81A0505 | R13201 | ENGLISH-II | 28 | 42 | 3 |
| 15A81A0505 | R13202 | MATHEMATICS-III | 29 | 60 | 3 |
| 15A81A0505 | R13203 | ENGG. PHYSICS | 29 | 60 | 3 |
| 15A81A0505 | R13207 | MATHEMATICS-II (MM) | 30 | 70 | 3 |
| 15A81A0505 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 27 | 52 | 3 |
| 15A81A0505 | R13209 | ENGG. DRAWING | 30 | 44 | 3 |
| 15A81A0505 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 37 | 2 |
| 15A81A0505 | R13214 | ENGINEERING PHYSICS LAB | 24 | 45 | 2 |
| 15A81A0505 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 25 | 47 | 2 |
| 15A81A0506 | R13201 | ENGLISH-II | 26 | 47 | 3 |
| 15A81A0506 | R13202 | MATHEMATICS-III | 29 | 35 | 3 |
| 15A81A0506 | R13203 | ENGG. PHYSICS | 23 | 54 | 3 |
| 15A81A0506 | R13207 | MATHEMATICS-II (MM) | 26 | 49 | 3 |
| 15A81A0506 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 26 | 28 | 3 |
| 15A81A0506 | R13209 | ENGG. DRAWING | 26 | 44 | 3 |
| 15A81A0506 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 43 | 2 |
| 15A81A0506 | R13214 | ENGINEERING PHYSICS LAB | 19 | 47 | 2 |
| 15A81A0506 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 21 | 46 | 2 |
| 15A81A0507 | R13201 | ENGLISH-II | 18 | 34 | 3 |
| 15A81A0507 | R13202 | MATHEMATICS-III | 13 | 7 | 0 |
| 15A81A0507 | R13203 | ENGG. PHYSICS | 21 | 0 | 0 |
| 15A81A0507 | R13207 | MATHEMATICS-II (MM) | 16 | 0 | 0 |
| 15A81A0507 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 16 | 24 | 3 |
| 15A81A0507 | R13209 | ENGG. DRAWING | 26 | -1 | 0 |
| 15A81A0507 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 19 | 35 | 2 |
| 15A81A0507 | R13214 | ENGINEERING PHYSICS LAB | 18 | 39 | 2 |
| 15A81A0507 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 20 | 44 | 2 |
| 15A81A0508 | R13201 | ENGLISH-II | 27 | 56 | 3 |
| 15A81A0508 | R13202 | MATHEMATICS-III | 20 | 9 | 0 |
| 15A81A0508 | R13203 | ENGG. PHYSICS | 25 | 26 | 3 |
| 15A81A0508 | R13207 | MATHEMATICS-II (MM) | 22 | 24 | 3 |
| 15A81A0508 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 29 | 54 | 3 |
| 15A81A0508 | R13209 | ENGG. DRAWING | 26 | 37 | 3 |
| 15A81A0508 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 47 | 2 |
| 15A81A0508 | R13214 | ENGINEERING PHYSICS LAB | 22 | 48 | 2 |
| 15A81A0508 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 23 | 47 | 2 |
| 15A81A0509 | R13201 | ENGLISH-II | 25 | 45 | 3 |
| 15A81A0509 | R13202 | MATHEMATICS-III | 28 | 47 | 3 |
| 15A81A0509 | R13203 | ENGG. PHYSICS | 28 | 26 | 3 |
| 15A81A0509 | R13207 | MATHEMATICS-II (MM) | 28 | 47 | 3 |
| 15A81A0509 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 24 | 28 | 3 |
| 15A81A0509 | R13209 | ENGG. DRAWING | 30 | 44 | 3 |
| 15A81A0509 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 41 | 2 |
| 15A81A0509 | R13214 | ENGINEERING PHYSICS LAB | 24 | 49 | 2 |
| 15A81A0509 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 23 | 46 | 2 |
| 15A81A0510 | R13201 | ENGLISH-II | 27 | 45 | 3 |
| 15A81A0510 | R13202 | MATHEMATICS-III | 28 | 51 | 3 |
| 15A81A0510 | R13203 | ENGG. PHYSICS | 28 | 49 | 3 |
| 15A81A0510 | R13207 | MATHEMATICS-II (MM) | 26 | 46 | 3 |
| 15A81A0510 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 27 | 52 | 3 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A0510 | R13209 | ENGG. DRAWING | 25 | 40 | 3 |
| 15A81A0510 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 23 | 46 | 2 |
| 15A81A0510 | R13214 | ENGINEERING PHYSICS LAB | 23 | 48 | 2 |
| 15A81A0510 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 24 | 46 | 2 |
| 15A81A0511 | R13201 | ENGLISH-II | 19 | 24 | 3 |
| 15A81A0511 | R13202 | MATHEMATICS-III | 22 | 28 | 3 |
| 15A81A0511 | R13203 | ENGG. PHYSICS | 22 | 7 | 0 |
| 15A81A0511 | R13207 | MATHEMATICS-II (MM) | 17 | 24 | 3 |
| 15A81A0511 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 22 | 31 | 3 |
| 15A81A0511 | R13209 | ENGG. DRAWING | 21 | 8 | 0 |
| 15A81A0511 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 15 | 31 | 2 |
| 15A81A0511 | R13214 | ENGINEERING PHYSICS LAB | 20 | 38 | 2 |
| 15A81A0511 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 20 | 44 | 2 |
| 15A81A0512 | R13201 | ENGLISH-II | 20 | 27 | 3 |
| 15A81A0512 | R13202 | MATHEMATICS-III | 25 | 2 | 0 |
| 15A81A0512 | R13203 | ENGG. PHYSICS | 17 | 37 | 3 |
| 15A81A0512 | R13207 | MATHEMATICS-II (MM) | 19 | 36 | 3 |
| 15A81A0512 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 20 | 39 | 3 |
| 15A81A0512 | R13209 | ENGG. DRAWING | 20 | 0 | 0 |
| 15A81A0512 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 39 | 2 |
| 15A81A0512 | R13214 | ENGINEERING PHYSICS LAB | 15 | 43 | 2 |
| 15A81A0512 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 20 | 41 | 2 |
| 15A81A0513 | R13201 | ENGLISH-II | 28 | 39 | 3 |
| 15A81A0513 | R13202 | MATHEMATICS-III | 27 | 44 | 3 |
| 15A81A0513 | R13203 | ENGG. PHYSICS | 22 | 35 | 3 |
| 15A81A0513 | R13207 | MATHEMATICS-II (MM) | 21 | 64 | 3 |
| 15A81A0513 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 26 | 42 | 3 |
| 15A81A0513 | R13209 | ENGG. DRAWING | 30 | 58 | 3 |
| 15A81A0513 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 24 | 47 | 2 |
| 15A81A0513 | R13214 | ENGINEERING PHYSICS LAB | 16 | 50 | 2 |
| 15A81A0513 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 24 | 48 | 2 |
| 15A81A0514 | R13201 | ENGLISH-II | 28 | 56 | 3 |
| 15A81A0514 | R13202 | MATHEMATICS-III | 29 | 50 | 3 |
| 15A81A0514 | R13203 | ENGG. PHYSICS | 28 | 46 | 3 |
| 15A81A0514 | R13207 | MATHEMATICS-II (MM) | 27 | 54 | 3 |
| 15A81A0514 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 27 | 48 | 3 |
| 15A81A0514 | R13209 | ENGG. DRAWING | 26 | 53 | 3 |
| 15A81A0514 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 23 | 48 | 2 |
| 15A81A0514 | R13214 | ENGINEERING PHYSICS LAB | 25 | 49 | 2 |
| 15A81A0514 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 22 | 45 | 2 |
| 15A81A0515 | R13201 | ENGLISH-II | 29 | 47 | 3 |
| 15A81A0515 | R13202 | MATHEMATICS-III | 28 | 55 | 3 |
| 15A81A0515 | R13203 | ENGG. PHYSICS | 27 | 37 | 3 |
| 15A81A0515 | R13207 | MATHEMATICS-II (MM) | 27 | 44 | 3 |
| 15A81A0515 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 25 | 39 | 3 |
| 15A81A0515 | R13209 | ENGG. DRAWING | 30 | 50 | 3 |
| 15A81A0515 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 45 | 2 |
| 15A81A0515 | R13214 | ENGINEERING PHYSICS LAB | 24 | 45 | 2 |
| 15A81A0515 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 24 | 46 | 2 |
| 15A81A0516 | R13201 | ENGLISH-II | 21 | 25 | 3 |
| 15A81A0516 | R13202 | MATHEMATICS-III | 19 | 5 | 0 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A0516 | R13203 | ENGG. PHYSICS | 17 | 5 | 0 |
| 15A81A0516 | R13207 | MATHEMATICS-II (MM) | 15 | 10 | 0 |
| 15A81A0516 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 21 | 18 | 0 |
| 15A81A0516 | R13209 | ENGG. DRAWING | 23 | 10 | 0 |
| 15A81A0516 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 44 | 2 |
| 15A81A0516 | R13214 | ENGINEERING PHYSICS LAB | 15 | 40 | 2 |
| 15A81A0516 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 21 | 40 | 2 |
| 15A81A0517 | R13201 | ENGLISH-II | 26 | 33 | 3 |
| 15A81A0517 | R13202 | MATHEMATICS-III | 30 | 48 | 3 |
| 15A81A0517 | R13203 | ENGG. PHYSICS | 27 | 41 | 3 |
| 15A81A0517 | R13207 | MATHEMATICS-II (MM) | 28 | 70 | 3 |
| 15A81A0517 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 24 | 46 | 3 |
| 15A81A0517 | R13209 | ENGG. DRAWING | 30 | 48 | 3 |
| 15A81A0517 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 19 | 40 | 2 |
| 15A81A0517 | R13214 | ENGINEERING PHYSICS LAB | 22 | 46 | 2 |
| 15A81A0517 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 24 | 47 | 2 |
| 15A81A0518 | R13201 | ENGLISH-II | 28 | 51 | 3 |
| 15A81A0518 | R13202 | MATHEMATICS-III | 29 | 61 | 3 |
| 15A81A0518 | R13203 | ENGG. PHYSICS | 26 | 46 | 3 |
| 15A81A0518 | R13207 | MATHEMATICS-II (MM) | 28 | 37 | 3 |
| 15A81A0518 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 24 | 55 | 3 |
| 15A81A0518 | R13209 | ENGG. DRAWING | 26 | 34 | 3 |
| 15A81A0518 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 46 | 2 |
| 15A81A0518 | R13214 | ENGINEERING PHYSICS LAB | 22 | 50 | 2 |
| 15A81A0518 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 24 | 46 | 2 |
| 15A81A0519 | R13201 | ENGLISH-II | 23 | 46 | 3 |
| 15A81A0519 | R13202 | MATHEMATICS-III | 26 | 59 | 3 |
| 15A81A0519 | R13203 | ENGG. PHYSICS | 30 | 37 | 3 |
| 15A81A0519 | R13207 | MATHEMATICS-II (MM) | 28 | 38 | 3 |
| 15A81A0519 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 26 | 28 | 3 |
| 15A81A0519 | R13209 | ENGG. DRAWING | 30 | 24 | 3 |
| 15A81A0519 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 44 | 2 |
| 15A81A0519 | R13214 | ENGINEERING PHYSICS LAB | 25 | 49 | 2 |
| 15A81A0519 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 23 | 46 | 2 |
| 15A81A0520 | R13201 | ENGLISH-II | 25 | 39 | 3 |
| 15A81A0520 | R13202 | MATHEMATICS-III | 27 | 56 | 3 |
| 15A81A0520 | R13203 | ENGG. PHYSICS | 25 | 45 | 3 |
| 15A81A0520 | R13207 | MATHEMATICS-II (MM) | 24 | 48 | 3 |
| 15A81A0520 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 27 | 45 | 3 |
| 15A81A0520 | R13209 | ENGG. DRAWING | 27 | 49 | 3 |
| 15A81A0520 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 41 | 2 |
| 15A81A0520 | R13214 | ENGINEERING PHYSICS LAB | 22 | 47 | 2 |
| 15A81A0520 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 24 | 45 | 2 |
| 15A81A0521 | R13201 | ENGLISH-II | 17 | 29 | 3 |
| 15A81A0521 | R13202 | MATHEMATICS-III | 20 | 16 | 0 |
| 15A81A0521 | R13203 | ENGG. PHYSICS | 14 | 1 | 0 |
| 15A81A0521 | R13207 | MATHEMATICS-II (MM) | 16 | 24 | 3 |
| 15A81A0521 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 15 | 14 | 0 |
| 15A81A0521 | R13209 | ENGG. DRAWING | 20 | 1 | 0 |
| 15A81A0521 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 17 | 37 | 2 |
| 15A81A0521 | R13214 | ENGINEERING PHYSICS LAB | 10 | 39 | 2 |

| Htno | Subcode | Subname | Internal | External | credits |
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| 15A81A0521 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 20 | 42 | 2 |
| 15A81A0522 | R13201 | ENGLISH-II | 25 | 34 | 3 |
| 15A81A0522 | R13202 | MATHEMATICS-III | 28 | 40 | 3 |
| 15A81A0522 | R13203 | ENGG. PHYSICS | 23 | 31 | 3 |
| 15A81A0522 | R13207 | MATHEMATICS-II (MM) | 26 | 43 | 3 |
| 15A81A0522 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 25 | 25 | 3 |
| 15A81A0522 | R13209 | ENGG. DRAWING | 22 | 30 | 3 |
| 15A81A0522 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 19 | 38 | 2 |
| 15A81A0522 | R13214 | ENGINEERING PHYSICS LAB | 13 | 40 | 2 |
| 15A81A0522 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 20 | 33 | 2 |
| 15A81A0523 | R13201 | ENGLISH-II | 28 | 49 | 3 |
| 15A81A0523 | R13202 | MATHEMATICS-III | 29 | 56 | 3 |
| 15A81A0523 | R13203 | ENGG. PHYSICS | 25 | 41 | 3 |
| 15A81A0523 | R13207 | MATHEMATICS-II (MM) | 25 | 28 | 3 |
| 15A81A0523 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 29 | 38 | 3 |
| 15A81A0523 | R13209 | ENGG. DRAWING | 23 | 34 | 3 |
| 15A81A0523 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 39 | 2 |
| 15A81A0523 | R13214 | ENGINEERING PHYSICS LAB | 20 | 47 | 2 |
| 15A81A0523 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 24 | 46 | 2 |
| 15A81A0524 | R13201 | ENGLISH-II | 22 | 32 | 3 |
| 15A81A0524 | R13202 | MATHEMATICS-III | 24 | 26 | 3 |
| 15A81A0524 | R13203 | ENGG. PHYSICS | 18 | 42 | 3 |
| 15A81A0524 | R13207 | MATHEMATICS-II (MM) | 16 | 32 | 3 |
| 15A81A0524 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 20 | 30 | 3 |
| 15A81A0524 | R13209 | ENGG. DRAWING | 22 | 42 | 3 |
| 15A81A0524 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 17 | 34 | 2 |
| 15A81A0524 | R13214 | ENGINEERING PHYSICS LAB | 17 | 42 | 2 |
| 15A81A0524 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 19 | 42 | 2 |
| 15A81A0525 | R13201 | ENGLISH-II | 27 | 49 | 3 |
| 15A81A0525 | R13202 | MATHEMATICS-III | 29 | 50 | 3 |
| 15A81A0525 | R13203 | ENGG. PHYSICS | 28 | 35 | 3 |
| 15A81A0525 | R13207 | MATHEMATICS-II (MM) | 28 | 70 | 3 |
| 15A81A0525 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 26 | 31 | 3 |
| 15A81A0525 | R13209 | ENGG. DRAWING | 30 | 56 | 3 |
| 15A81A0525 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 41 | 2 |
| 15A81A0525 | R13214 | ENGINEERING PHYSICS LAB | 23 | 47 | 2 |
| 15A81A0525 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 24 | 45 | 2 |
| 15A81A0526 | R13201 | ENGLISH-II | 28 | 56 | 3 |
| 15A81A0526 | R13202 | MATHEMATICS-III | 30 | 57 | 3 |
| 15A81A0526 | R13203 | ENGG. PHYSICS | 30 | 46 | 3 |
| 15A81A0526 | R13207 | MATHEMATICS-II (MM) | 29 | 45 | 3 |
| 15A81A0526 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 29 | 41 | 3 |
| 15A81A0526 | R13209 | ENGG. DRAWING | 30 | 39 | 3 |
| 15A81A0526 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 23 | 47 | 2 |
| 15A81A0526 | R13214 | ENGINEERING PHYSICS LAB | 25 | 50 | 2 |
| 15A81A0526 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 25 | 46 | 2 |
| 15A81A0527 | R13201 | ENGLISH-II | 23 | 42 | 3 |
| 15A81A0527 | R13202 | MATHEMATICS-III | 23 | 35 | 3 |
| 15A81A0527 | R13203 | ENGG. PHYSICS | 21 | 32 | 3 |
| 15A81A0527 | R13207 | MATHEMATICS-II (MM) | 22 | 26 | 3 |
| 15A81A0527 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 21 | 29 | 3 |

| Htno | Subcode | Subname | Internal | External | credits |
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| 15A81A0527 | R13209 | ENGG. DRAWING | 21 | 24 | 3 |
| 15A81A0527 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 44 | 2 |
| 15A81A0527 | R13214 | ENGINEERING PHYSICS LAB | 20 | 42 | 2 |
| 15A81A0527 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 20 | 42 | 2 |
| 15A81A0528 | R13201 | ENGLISH-II | 28 | 52 | 3 |
| 15A81A0528 | R13202 | MATHEMATICS-III | 30 | 61 | 3 |
| 15A81A0528 | R13203 | ENGG. PHYSICS | 28 | 59 | 3 |
| 15A81A0528 | R13207 | MATHEMATICS-II (MM) | 29 | 59 | 3 |
| 15A81A0528 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 29 | 49 | 3 |
| 15A81A0528 | R13209 | ENGG. DRAWING | 30 | 54 | 3 |
| 15A81A0528 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 24 | 48 | 2 |
| 15A81A0528 | R13214 | ENGINEERING PHYSICS LAB | 23 | 50 | 2 |
| 15A81A0528 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 25 | 48 | 2 |
| 15A81A0529 | R13201 | ENGLISH-II | 25 | 54 | 3 |
| 15A81A0529 | R13202 | MATHEMATICS-III | 27 | 46 | 3 |
| 15A81A0529 | R13203 | ENGG. PHYSICS | 29 | 45 | 3 |
| 15A81A0529 | R13207 | MATHEMATICS-II (MM) | 25 | 57 | 3 |
| 15A81A0529 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 28 | 50 | 3 |
| 15A81A0529 | R13209 | ENGG. DRAWING | 30 | 48 | 3 |
| 15A81A0529 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 23 | 47 | 2 |
| 15A81A0529 | R13214 | ENGINEERING PHYSICS LAB | 25 | 47 | 2 |
| 15A81A0529 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 24 | 47 | 2 |
| 15A81A0530 | R13201 | ENGLISH-II | 27 | 54 | 3 |
| 15A81A0530 | R13202 | MATHEMATICS-III | 27 | 42 | 3 |
| 15A81A0530 | R13203 | ENGG. PHYSICS | 28 | 32 | 3 |
| 15A81A0530 | R13207 | MATHEMATICS-II (MM) | 27 | 48 | 3 |
| 15A81A0530 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 28 | 40 | 3 |
| 15A81A0530 | R13209 | ENGG. DRAWING | 30 | 32 | 3 |
| 15A81A0530 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 45 | 2 |
| 15A81A0530 | R13214 | ENGINEERING PHYSICS LAB | 23 | 46 | 2 |
| 15A81A0530 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 23 | 45 | 2 |
| 15A81A0531 | R13201 | ENGLISH-II | 28 | 48 | 3 |
| 15A81A0531 | R13202 | MATHEMATICS-III | 29 | 47 | 3 |
| 15A81A0531 | R13203 | ENGG. PHYSICS | 25 | 34 | 3 |
| 15A81A0531 | R13207 | MATHEMATICS-II (MM) | 29 | 34 | 3 |
| 15A81A0531 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 25 | 37 | 3 |
| 15A81A0531 | R13209 | ENGG. DRAWING | 26 | 24 | 3 |
| 15A81A0531 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 42 | 2 |
| 15A81A0531 | R13214 | ENGINEERING PHYSICS LAB | 22 | 45 | 2 |
| 15A81A0531 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 24 | 46 | 2 |
| 15A81A0532 | R13201 | ENGLISH-II | 24 | 36 | 3 |
| 15A81A0532 | R13202 | MATHEMATICS-III | 29 | 53 | 3 |
| 15A81A0532 | R13203 | ENGG. PHYSICS | 28 | 66 | 3 |
| 15A81A0532 | R13207 | MATHEMATICS-II (MM) | 27 | 51 | 3 |
| 15A81A0532 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 25 | 41 | 3 |
| 15A81A0532 | R13209 | ENGG. DRAWING | 23 | 47 | 3 |
| 15A81A0532 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 42 | 2 |
| 15A81A0532 | R13214 | ENGINEERING PHYSICS LAB | 24 | 40 | 2 |
| 15A81A0532 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 24 | 45 | 2 |
| 15A81A0533 | R13201 | ENGLISH-II | 25 | 47 | 3 |
| 15A81A0533 | R13202 | MATHEMATICS-III | 28 | 41 | 3 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A0533 | R13203 | ENGG. PHYSICS | 26 | 35 | 3 |
| 15A81A0533 | R13207 | MATHEMATICS-II (MM) | 27 | 56 | 3 |
| 15A81A0533 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 25 | 39 | 3 |
| 15A81A0533 | R13209 | ENGG. DRAWING | 27 | 55 | 3 |
| 15A81A0533 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 18 | 38 | 2 |
| 15A81A0533 | R13214 | ENGINEERING PHYSICS LAB | 22 | 44 | 2 |
| 15A81A0533 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 21 | 43 | 2 |
| 15A81A0534 | R13201 | ENGLISH-II | 28 | 51 | 3 |
| 15A81A0534 | R13202 | MATHEMATICS-III | 25 | 26 | 3 |
| 15A81A0534 | R13203 | ENGG. PHYSICS | 24 | 31 | 3 |
| 15A81A0534 | R13207 | MATHEMATICS-II (MM) | 20 | 33 | 3 |
| 15A81A0534 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 25 | 37 | 3 |
| 15A81A0534 | R13209 | ENGG. DRAWING | 24 | 36 | 3 |
| 15A81A0534 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 47 | 2 |
| 15A81A0534 | R13214 | ENGINEERING PHYSICS LAB | 20 | 42 | 2 |
| 15A81A0534 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 23 | 46 | 2 |
| 15A81A0535 | R13201 | ENGLISH-II | 11 | 34 | 3 |
| 15A81A0535 | R13202 | MATHEMATICS-III | 10 | 10 | 0 |
| 15A81A0535 | R13203 | ENGG. PHYSICS | 7 | 4 | 0 |
| 15A81A0535 | R13207 | MATHEMATICS-II (MM) | 9 | 4 | 0 |
| 15A81A0535 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 14 | 18 | 0 |
| 15A81A0535 | R13209 | ENGG. DRAWING | 18 | 24 | 3 |
| 15A81A0535 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 12 | 27 | 2 |
| 15A81A0535 | R13214 | ENGINEERING PHYSICS LAB | 10 | 40 | 2 |
| 15A81A0535 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 15 | 44 | 2 |
| 15A81A0536 | R13201 | ENGLISH-II | 25 | 24 | 3 |
| 15A81A0536 | R13202 | MATHEMATICS-III | 25 | 38 | 3 |
| 15A81A0536 | R13203 | ENGG. PHYSICS | 26 | 37 | 3 |
| 15A81A0536 | R13207 | MATHEMATICS-II (MM) | 20 | 37 | 3 |
| 15A81A0536 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 24 | 48 | 3 |
| 15A81A0536 | R13209 | ENGG. DRAWING | 30 | 65 | 3 |
| 15A81A0536 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 24 | 45 | 2 |
| 15A81A0536 | R13214 | ENGINEERING PHYSICS LAB | 23 | 47 | 2 |
| 15A81A0536 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 24 | 43 | 2 |
| 15A81A0537 | R13201 | ENGLISH-II | 19 | 46 | 3 |
| 15A81A0537 | R13202 | MATHEMATICS-III | 18 | 26 | 3 |
| 15A81A0537 | R13203 | ENGG. PHYSICS | 21 | 3 | 0 |
| 15A81A0537 | R13207 | MATHEMATICS-II (MM) | 16 | 26 | 3 |
| 15A81A0537 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 19 | 31 | 3 |
| 15A81A0537 | R13209 | ENGG. DRAWING | 18 | 2 | 0 |
| 15A81A0537 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 17 | 38 | 2 |
| 15A81A0537 | R13214 | ENGINEERING PHYSICS LAB | 23 | 43 | 2 |
| 15A81A0537 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 19 | 43 | 2 |
| 15A81A0538 | R13201 | ENGLISH-II | 22 | 44 | 3 |
| 15A81A0538 | R13202 | MATHEMATICS-III | 26 | 25 | 3 |
| 15A81A0538 | R13203 | ENGG. PHYSICS | 25 | 32 | 3 |
| 15A81A0538 | R13207 | MATHEMATICS-II (MM) | 23 | 27 | 3 |
| 15A81A0538 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 24 | 36 | 3 |
| 15A81A0538 | R13209 | ENGG. DRAWING | 26 | 24 | 3 |
| 15A81A0538 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 41 | 2 |
| 15A81A0538 | R13214 | ENGINEERING PHYSICS LAB | 22 | 43 | 2 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A0538 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 20 | 45 | 2 |
| 15A81A0539 | R13201 | ENGLISH-II | 22 | 45 | 3 |
| 15A81A0539 | R13202 | MATHEMATICS-III | 24 | 43 | 3 |
| 15A81A0539 | R13203 | ENGG. PHYSICS | 25 | 24 | 3 |
| 15A81A0539 | R13207 | MATHEMATICS-II (MM) | 29 | 17 | 0 |
| 15A81A0539 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 22 | 24 | 3 |
| 15A81A0539 | R13209 | ENGG. DRAWING | 24 | 28 | 3 |
| 15A81A0539 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 41 | 2 |
| 15A81A0539 | R13214 | ENGINEERING PHYSICS LAB | 22 | 44 | 2 |
| 15A81A0539 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 23 | 46 | 2 |
| 15A81A0540 | R13201 | ENGLISH-II | 27 | 45 | 3 |
| 15A81A0540 | R13202 | MATHEMATICS-III | 28 | 48 | 3 |
| 15A81A0540 | R13203 | ENGG. PHYSICS | 28 | 68 | 3 |
| 15A81A0540 | R13207 | MATHEMATICS-II (MM) | 27 | 47 | 3 |
| 15A81A0540 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 29 | 46 | 3 |
| 15A81A0540 | R13209 | ENGG. DRAWING | 24 | 44 | 3 |
| 15A81A0540 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 24 | 48 | 2 |
| 15A81A0540 | R13214 | ENGINEERING PHYSICS LAB | 20 | 46 | 2 |
| 15A81A0540 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 25 | 46 | 2 |
| 15A81A0541 | R13201 | ENGLISH-II | 24 | 52 | 3 |
| 15A81A0541 | R13202 | MATHEMATICS-III | 28 | 53 | 3 |
| 15A81A0541 | R13203 | ENGG. PHYSICS | 25 | 2 | 0 |
| 15A81A0541 | R13207 | MATHEMATICS-II (MM) | 27 | 56 | 3 |
| 15A81A0541 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 25 | 42 | 3 |
| 15A81A0541 | R13209 | ENGG. DRAWING | 27 | 33 | 3 |
| 15A81A0541 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 43 | 2 |
| 15A81A0541 | R13214 | ENGINEERING PHYSICS LAB | 22 | 45 | 2 |
| 15A81A0541 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 24 | 44 | 2 |
| 15A81A0542 | R13201 | ENGLISH-II | 24 | 53 | 3 |
| 15A81A0542 | R13202 | MATHEMATICS-III | 25 | 29 | 3 |
| 15A81A0542 | R13203 | ENGG. PHYSICS | 26 | 33 | 3 |
| 15A81A0542 | R13207 | MATHEMATICS-II (MM) | 26 | 24 | 3 |
| 15A81A0542 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 22 | 35 | 3 |
| 15A81A0542 | R13209 | ENGG. DRAWING | 30 | 44 | 3 |
| 15A81A0542 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 43 | 2 |
| 15A81A0542 | R13214 | ENGINEERING PHYSICS LAB | 22 | 44 | 2 |
| 15A81A0542 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 25 | 43 | 2 |
| 15A81A0543 | R13201 | ENGLISH-II | 26 | 52 | 3 |
| 15A81A0543 | R13202 | MATHEMATICS-III | 28 | 47 | 3 |
| 15A81A0543 | R13203 | ENGG. PHYSICS | 27 | 41 | 3 |
| 15A81A0543 | R13207 | MATHEMATICS-II (MM) | 26 | 28 | 3 |
| 15A81A0543 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 26 | 32 | 3 |
| 15A81A0543 | R13209 | ENGG. DRAWING | 27 | 40 | 3 |
| 15A81A0543 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 37 | 2 |
| 15A81A0543 | R13214 | ENGINEERING PHYSICS LAB | 19 | 47 | 2 |
| 15A81A0543 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 25 | 46 | 2 |
| 15A81A0544 | R13201 | ENGLISH-II | 15 | 25 | 3 |
| 15A81A0544 | R13202 | MATHEMATICS-III | 10 | 3 | 0 |
| 15A81A0544 | R13203 | ENGG. PHYSICS | 14 | 4 | 0 |
| 15A81A0544 | R13207 | MATHEMATICS-II (MM) | 11 | 14 | 0 |
| 15A81A0544 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 19 | 18 | 0 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A0544 | R13209 | ENGG. DRAWING | 18 | 0 | 0 |
| 15A81A0544 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 15 | 34 | 2 |
| 15A81A0544 | R13214 | ENGINEERING PHYSICS LAB | 12 | 35 | 2 |
| 15A81A0544 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 21 | 29 | 2 |
| 15A81A0545 | R13201 | ENGLISH-II | 26 | 52 | 3 |
| 15A81A0545 | R13202 | MATHEMATICS-III | 29 | 26 | 3 |
| 15A81A0545 | R13203 | ENGG. PHYSICS | 27 | 43 | 3 |
| 15A81A0545 | R13207 | MATHEMATICS-II (MM) | 25 | 66 | 3 |
| 15A81A0545 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 25 | 36 | 3 |
| 15A81A0545 | R13209 | ENGG. DRAWING | 25 | 43 | 3 |
| 15A81A0545 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 43 | 2 |
| 15A81A0545 | R13214 | ENGINEERING PHYSICS LAB | 22 | 48 | 2 |
| 15A81A0545 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 24 | 46 | 2 |
| 15A81A0546 | R13201 | ENGLISH-II | 29 | 53 | 3 |
| 15A81A0546 | R13202 | MATHEMATICS-III | 28 | 46 | 3 |
| 15A81A0546 | R13203 | ENGG. PHYSICS | 28 | 50 | 3 |
| 15A81A0546 | R13207 | MATHEMATICS-II (MM) | 27 | 62 | 3 |
| 15A81A0546 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 26 | 41 | 3 |
| 15A81A0546 | R13209 | ENGG. DRAWING | 30 | 57 | 3 |
| 15A81A0546 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 24 | 46 | 2 |
| 15A81A0546 | R13214 | ENGINEERING PHYSICS LAB | 23 | 47 | 2 |
| 15A81A0546 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 25 | 46 | 2 |
| 15A81A0547 | R13201 | ENGLISH-II | 29 | 41 | 3 |
| 15A81A0547 | R13202 | MATHEMATICS-III | 30 | 64 | 3 |
| 15A81A0547 | R13203 | ENGG. PHYSICS | 27 | 35 | 3 |
| 15A81A0547 | R13207 | MATHEMATICS-II (MM) | 29 | 42 | 3 |
| 15A81A0547 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 28 | 29 | 3 |
| 15A81A0547 | R13209 | ENGG. DRAWING | 30 | 40 | 3 |
| 15A81A0547 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 39 | 2 |
| 15A81A0547 | R13214 | ENGINEERING PHYSICS LAB | 23 | 47 | 2 |
| 15A81A0547 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 23 | 46 | 2 |
| 15A81A0548 | R13201 | ENGLISH-II | 19 | 24 | 3 |
| 15A81A0548 | R13202 | MATHEMATICS-III | 18 | 25 | 3 |
| 15A81A0548 | R13203 | ENGG. PHYSICS | 23 | 0 | 0 |
| 15A81A0548 | R13207 | MATHEMATICS-II (MM) | 15 | 25 | 3 |
| 15A81A0548 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 21 | 24 | 3 |
| 15A81A0548 | R13209 | ENGG. DRAWING | 20 | 24 | 3 |
| 15A81A0548 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 18 | 33 | 2 |
| 15A81A0548 | R13214 | ENGINEERING PHYSICS LAB | 20 | 37 | 2 |
| 15A81A0548 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 23 | 42 | 2 |
| 15A81A0549 | R13201 | ENGLISH-II | 22 | 42 | 3 |
| 15A81A0549 | R13202 | MATHEMATICS-III | 27 | 8 | 0 |
| 15A81A0549 | R13203 | ENGG. PHYSICS | 26 | 35 | 3 |
| 15A81A0549 | R13207 | MATHEMATICS-II (MM) | 24 | 53 | 3 |
| 15A81A0549 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 24 | 36 | 3 |
| 15A81A0549 | R13209 | ENGG. DRAWING | 25 | 39 | 3 |
| 15A81A0549 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 35 | 2 |
| 15A81A0549 | R13214 | ENGINEERING PHYSICS LAB | 22 | 47 | 2 |
| 15A81A0549 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 23 | 45 | 2 |
| 15A81A0550 | R13201 | ENGLISH-II | 27 | 44 | 3 |
| 15A81A0550 | R13202 | MATHEMATICS-III | 29 | 49 | 3 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A0550 | R13203 | ENGG. PHYSICS | 29 | 37 | 3 |
| 15A81A0550 | R13207 | MATHEMATICS-II (MM) | 26 | 47 | 3 |
| 15A81A0550 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 25 | 29 | 3 |
| 15A81A0550 | R13209 | ENGG. DRAWING | 30 | 58 | 3 |
| 15A81A0550 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 24 | 47 | 2 |
| 15A81A0550 | R13214 | ENGINEERING PHYSICS LAB | 25 | 49 | 2 |
| 15A81A0550 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 23 | 44 | 2 |
| 15A81A0551 | R13201 | ENGLISH-II | 27 | 37 | 3 |
| 15A81A0551 | R13202 | MATHEMATICS-III | 26 | 24 | 3 |
| 15A81A0551 | R13203 | ENGG. PHYSICS | 26 | 24 | 3 |
| 15A81A0551 | R13207 | MATHEMATICS-II (MM) | 23 | 26 | 3 |
| 15A81A0551 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 28 | 34 | 3 |
| 15A81A0551 | R13209 | ENGG. DRAWING | 30 | 37 | 3 |
| 15A81A0551 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 23 | 46 | 2 |
| 15A81A0551 | R13214 | ENGINEERING PHYSICS LAB | 23 | 47 | 2 |
| 15A81A0551 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 24 | 47 | 2 |
| 15A81A0552 | R13201 | ENGLISH-II | 29 | 47 | 3 |
| 15A81A0552 | R13202 | MATHEMATICS-III | 29 | 47 | 3 |
| 15A81A0552 | R13203 | ENGG. PHYSICS | 28 | 70 | 3 |
| 15A81A0552 | R13207 | MATHEMATICS-II (MM) | 28 | 67 | 3 |
| 15A81A0552 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 28 | 49 | 3 |
| 15A81A0552 | R13209 | ENGG. DRAWING | 27 | 51 | 3 |
| 15A81A0552 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 23 | 48 | 2 |
| 15A81A0552 | R13214 | ENGINEERING PHYSICS LAB | 25 | 50 | 2 |
| 15A81A0552 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 25 | 48 | 2 |
| 15A81A0553 | R13201 | ENGLISH-II | 17 | 43 | 3 |
| 15A81A0553 | R13202 | MATHEMATICS-III | 22 | 34 | 3 |
| 15A81A0553 | R13203 | ENGG. PHYSICS | 17 | 24 | 3 |
| 15A81A0553 | R13207 | MATHEMATICS-II (MM) | 21 | 44 | 3 |
| 15A81A0553 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 24 | 32 | 3 |
| 15A81A0553 | R13209 | ENGG. DRAWING | 22 | 30 | 3 |
| 15A81A0553 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 17 | 28 | 2 |
| 15A81A0553 | R13214 | ENGINEERING PHYSICS LAB | 15 | 40 | 2 |
| 15A81A0553 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 23 | 45 | 2 |
| 15A81A0554 | R13201 | ENGLISH-II | 29 | 58 | 3 |
| 15A81A0554 | R13202 | MATHEMATICS-III | 30 | 49 | 3 |
| 15A81A0554 | R13203 | ENGG. PHYSICS | 30 | 38 | 3 |
| 15A81A0554 | R13207 | MATHEMATICS-II (MM) | 28 | 52 | 3 |
| 15A81A0554 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 29 | 35 | 3 |
| 15A81A0554 | R13209 | ENGG. DRAWING | 26 | 54 | 3 |
| 15A81A0554 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 46 | 2 |
| 15A81A0554 | R13214 | ENGINEERING PHYSICS LAB | 25 | 48 | 2 |
| 15A81A0554 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 25 | 48 | 2 |
| 15A81A0555 | R13201 | ENGLISH-II | 27 | 32 | 3 |
| 15A81A0555 | R13202 | MATHEMATICS-III | 28 | 46 | 3 |
| 15A81A0555 | R13203 | ENGG. PHYSICS | 24 | 31 | 3 |
| 15A81A0555 | R13207 | MATHEMATICS-II (MM) | 26 | 30 | 3 |
| 15A81A0555 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 29 | 40 | 3 |
| 15A81A0555 | R13209 | ENGG. DRAWING | 30 | 30 | 3 |
| 15A81A0555 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 23 | 46 | 2 |
| 15A81A0555 | R13214 | ENGINEERING PHYSICS LAB | 19 | 43 | 2 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A0555 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 24 | 47 | 2 |
| 15A81A0556 | R13201 | ENGLISH-II | 25 | 50 | 3 |
| 15A81A0556 | R13202 | MATHEMATICS-III | 26 | 36 | 3 |
| 15A81A0556 | R13203 | ENGG. PHYSICS | 28 | 70 | 3 |
| 15A81A0556 | R13207 | MATHEMATICS-II (MM) | 26 | 46 | 3 |
| 15A81A0556 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 25 | 49 | 3 |
| 15A81A0556 | R13209 | ENGG. DRAWING | 26 | 51 | 3 |
| 15A81A0556 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 44 | 2 |
| 15A81A0556 | R13214 | ENGINEERING PHYSICS LAB | 23 | 48 | 2 |
| 15A81A0556 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 23 | 46 | 2 |
| 15A81A0557 | R13201 | ENGLISH-II | 27 | 43 | 3 |
| 15A81A0557 | R13202 | MATHEMATICS-III | 24 | 36 | 3 |
| 15A81A0557 | R13203 | ENGG. PHYSICS | 22 | 25 | 3 |
| 15A81A0557 | R13207 | MATHEMATICS-II (MM) | 24 | 50 | 3 |
| 15A81A0557 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 29 | 34 | 3 |
| 15A81A0557 | R13209 | ENGG. DRAWING | 21 | 34 | 3 |
| 15A81A0557 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 39 | 2 |
| 15A81A0557 | R13214 | ENGINEERING PHYSICS LAB | 19 | 39 | 2 |
| 15A81A0557 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 23 | 43 | 2 |
| 15A81A0558 | R13201 | ENGLISH-II | 23 | 51 | 3 |
| 15A81A0558 | R13202 | MATHEMATICS-III | 25 | 30 | 3 |
| 15A81A0558 | R13203 | ENGG. PHYSICS | 28 | 37 | 3 |
| 15A81A0558 | R13207 | MATHEMATICS-II (MM) | 27 | 27 | 3 |
| 15A81A0558 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 25 | 27 | 3 |
| 15A81A0558 | R13209 | ENGG. DRAWING | 25 | 31 | 3 |
| 15A81A0558 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 38 | 2 |
| 15A81A0558 | R13214 | ENGINEERING PHYSICS LAB | 23 | 47 | 2 |
| 15A81A0558 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 25 | 45 | 2 |
| 15A81A0559 | R13201 | ENGLISH-II | 23 | 24 | 3 |
| 15A81A0559 | R13202 | MATHEMATICS-III | 18 | 7 | 0 |
| 15A81A0559 | R13203 | ENGG. PHYSICS | 18 | 6 | 0 |
| 15A81A0559 | R13207 | MATHEMATICS-II (MM) | 18 | 14 | 0 |
| 15A81A0559 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 26 | 26 | 3 |
| 15A81A0559 | R13209 | ENGG. DRAWING | 20 | 24 | 3 |
| 15A81A0559 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 38 | 2 |
| 15A81A0559 | R13214 | ENGINEERING PHYSICS LAB | 15 | 39 | 2 |
| 15A81A0559 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 20 | 42 | 2 |
| 15A81A0560 | R13201 | ENGLISH-II | 23 | 33 | 3 |
| 15A81A0560 | R13202 | MATHEMATICS-III | 22 | 12 | 0 |
| 15A81A0560 | R13203 | ENGG. PHYSICS | 18 | 5 | 0 |
| 15A81A0560 | R13207 | MATHEMATICS-II (MM) | 22 | 35 | 3 |
| 15A81A0560 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 25 | 42 | 3 |
| 15A81A0560 | R13209 | ENGG. DRAWING | 23 | 33 | 3 |
| 15A81A0560 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 44 | 2 |
| 15A81A0560 | R13214 | ENGINEERING PHYSICS LAB | 17 | 46 | 2 |
| 15A81A0560 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 22 | 42 | 2 |
| 15A81A0561 | R13201 | ENGLISH-II | 22 | 36 | 3 |
| 15A81A0561 | R13202 | MATHEMATICS-III | 22 | 7 | 0 |
| 15A81A0561 | R13203 | ENGG. PHYSICS | 18 | 0 | 0 |
| 15A81A0561 | R13207 | MATHEMATICS-II (MM) | 18 | 37 | 3 |
| 15A81A0561 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 21 | 29 | 3 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A0561 | R13209 | ENGG. DRAWING | 24 | 6 | 0 |
| 15A81A0561 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 16 | 34 | 2 |
| 15A81A0561 | R13214 | ENGINEERING PHYSICS LAB | 12 | 22 | 2 |
| 15A81A0561 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 21 | 38 | 2 |
| 15A81A0562 | R13201 | ENGLISH-II | 27 | 54 | 3 |
| 15A81A0562 | R13202 | MATHEMATICS-III | 30 | 58 | 3 |
| 15A81A0562 | R13203 | ENGG. PHYSICS | 28 | 49 | 3 |
| 15A81A0562 | R13207 | MATHEMATICS-II (MM) | 29 | 44 | 3 |
| 15A81A0562 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 29 | 36 | 3 |
| 15A81A0562 | R13209 | ENGG. DRAWING | 30 | 55 | 3 |
| 15A81A0562 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 24 | 46 | 2 |
| 15A81A0562 | R13214 | ENGINEERING PHYSICS LAB | 25 | 50 | 2 |
| 15A81A0562 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 25 | 48 | 2 |
| 15A81A0563 | R13201 | ENGLISH-II | 27 | 38 | 3 |
| 15A81A0563 | R13202 | MATHEMATICS-III | 30 | 61 | 3 |
| 15A81A0563 | R13203 | ENGG. PHYSICS | 26 | 31 | 3 |
| 15A81A0563 | R13207 | MATHEMATICS-II (MM) | 28 | 34 | 3 |
| 15A81A0563 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 28 | 34 | 3 |
| 15A81A0563 | R13209 | ENGG. DRAWING | 30 | 41 | 3 |
| 15A81A0563 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 43 | 2 |
| 15A81A0563 | R13214 | ENGINEERING PHYSICS LAB | 15 | 45 | 2 |
| 15A81A0563 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 19 | 42 | 2 |
| 15A81A0564 | R13201 | ENGLISH-II | 24 | 37 | 3 |
| 15A81A0564 | R13202 | MATHEMATICS-III | 25 | 15 | 0 |
| 15A81A0564 | R13203 | ENGG. PHYSICS | 22 | 24 | 3 |
| 15A81A0564 | R13207 | MATHEMATICS-II (MM) | 27 | 24 | 3 |
| 15A81A0564 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 25 | 38 | 3 |
| 15A81A0564 | R13209 | ENGG. DRAWING | 27 | 33 | 3 |
| 15A81A0564 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 42 | 2 |
| 15A81A0564 | R13214 | ENGINEERING PHYSICS LAB | 10 | 20 | 2 |
| 15A81A0564 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 19 | 39 | 2 |
| 15A81A0565 | R13201 | ENGLISH-II | 26 | 48 | 3 |
| 15A81A0565 | R13202 | MATHEMATICS-III | 29 | 32 | 3 |
| 15A81A0565 | R13203 | ENGG. PHYSICS | 25 | 35 | 3 |
| 15A81A0565 | R13207 | MATHEMATICS-II (MM) | 27 | 66 | 3 |
| 15A81A0565 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 26 | 47 | 3 |
| 15A81A0565 | R13209 | ENGG. DRAWING | 30 | 27 | 3 |
| 15A81A0565 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 44 | 2 |
| 15A81A0565 | R13214 | ENGINEERING PHYSICS LAB | 25 | 50 | 2 |
| 15A81A0565 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 24 | 48 | 2 |
| 15A81A0566 | R13201 | ENGLISH-II | 20 | 39 | 3 |
| 15A81A0566 | R13202 | MATHEMATICS-III | 20 | 8 | 0 |
| 15A81A0566 | R13203 | ENGG. PHYSICS | 22 | 24 | 3 |
| 15A81A0566 | R13207 | MATHEMATICS-II (MM) | 14 | 7 | 0 |
| 15A81A0566 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 25 | 26 | 3 |
| 15A81A0566 | R13209 | ENGG. DRAWING | 21 | 8 | 0 |
| 15A81A0566 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 42 | 2 |
| 15A81A0566 | R13214 | ENGINEERING PHYSICS LAB | 20 | 39 | 2 |
| 15A81A0566 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 21 | 41 | 2 |
| 15A81A0567 | R13201 | ENGLISH-II | 25 | 35 | 3 |
| 15A81A0567 | R13202 | MATHEMATICS-III | 19 | 17 | 0 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A0567 | R13203 | ENGG. PHYSICS | 21 | 31 | 3 |
| 15A81A0567 | R13207 | MATHEMATICS-II (MM) | 18 | 16 | 0 |
| 15A81A0567 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 26 | 36 | 3 |
| 15A81A0567 | R13209 | ENGG. DRAWING | 19 | 35 | 3 |
| 15A81A0567 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 43 | 2 |
| 15A81A0567 | R13214 | ENGINEERING PHYSICS LAB | 18 | 40 | 2 |
| 15A81A0567 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 24 | 49 | 2 |
| 15A81A0568 | R13201 | ENGLISH-II | 20 | 25 | 3 |
| 15A81A0568 | R13202 | MATHEMATICS-III | 22 | 0 | 0 |
| 15A81A0568 | R13203 | ENGG. PHYSICS | 9 | 0 | 0 |
| 15A81A0568 | R13207 | MATHEMATICS-II (MM) | 13 | 4 | 0 |
| 15A81A0568 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 22 | 45 | 3 |
| 15A81A0568 | R13209 | ENGG. DRAWING | 22 | 24 | 3 |
| 15A81A0568 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 18 | 32 | 2 |
| 15A81A0568 | R13214 | ENGINEERING PHYSICS LAB | 11 | 24 | 2 |
| 15A81A0568 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 21 | 42 | 2 |
| 15A81A0569 | R13201 | ENGLISH-II | 23 | 42 | 3 |
| 15A81A0569 | R13202 | MATHEMATICS-III | 26 | 30 | 3 |
| 15A81A0569 | R13203 | ENGG. PHYSICS | 23 | 41 | 3 |
| 15A81A0569 | R13207 | MATHEMATICS-II (MM) | 23 | 48 | 3 |
| 15A81A0569 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 24 | 40 | 3 |
| 15A81A0569 | R13209 | ENGG. DRAWING | 28 | 42 | 3 |
| 15A81A0569 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 39 | 2 |
| 15A81A0569 | R13214 | ENGINEERING PHYSICS LAB | 15 | 30 | 2 |
| 15A81A0569 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 23 | 44 | 2 |
| 15A81A0570 | R13201 | ENGLISH-II | 23 | 35 | 3 |
| 15A81A0570 | R13202 | MATHEMATICS-III | 21 | 3 | 0 |
| 15A81A0570 | R13203 | ENGG. PHYSICS | 16 | 4 | 0 |
| 15A81A0570 | R13207 | MATHEMATICS-II (MM) | 19 | 0 | 0 |
| 15A81A0570 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 26 | 1 | 0 |
| 15A81A0570 | R13209 | ENGG. DRAWING | 25 | 37 | 3 |
| 15A81A0570 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 19 | 40 | 2 |
| 15A81A0570 | R13214 | ENGINEERING PHYSICS LAB | 16 | 35 | 2 |
| 15A81A0570 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 20 | 43 | 2 |
| 15A81A0571 | R13201 | ENGLISH-II | 26 | 40 | 3 |
| 15A81A0571 | R13202 | MATHEMATICS-III | 23 | 46 | 3 |
| 15A81A0571 | R13203 | ENGG. PHYSICS | 25 | 11 | 0 |
| 15A81A0571 | R13207 | MATHEMATICS-II (MM) | 25 | 36 | 3 |
| 15A81A0571 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 20 | 36 | 3 |
| 15A81A0571 | R13209 | ENGG. DRAWING | 25 | 48 | 3 |
| 15A81A0571 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 23 | 46 | 2 |
| 15A81A0571 | R13214 | ENGINEERING PHYSICS LAB | 22 | 45 | 2 |
| 15A81A0571 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 22 | 44 | 2 |
| 15A81A0572 | R13201 | ENGLISH-II | 22 | 35 | 3 |
| 15A81A0572 | R13202 | MATHEMATICS-III | 19 | 10 | 0 |
| 15A81A0572 | R13203 | ENGG. PHYSICS | 18 | 0 | 0 |
| 15A81A0572 | R13207 | MATHEMATICS-II (MM) | 17 | 26 | 3 |
| 15A81A0572 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 23 | 46 | 3 |
| 15A81A0572 | R13209 | ENGG. DRAWING | 27 | 33 | 3 |
| 15A81A0572 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 17 | 41 | 2 |
| 15A81A0572 | R13214 | ENGINEERING PHYSICS LAB | 18 | 42 | 2 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A0572 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 21 | 42 | 2 |
| 15A81A0573 | R13201 | ENGLISH-II | 27 | 52 | 3 |
| 15A81A0573 | R13202 | MATHEMATICS-III | 29 | 44 | 3 |
| 15A81A0573 | R13203 | ENGG. PHYSICS | 27 | 50 | 3 |
| 15A81A0573 | R13207 | MATHEMATICS-II (MM) | 28 | 70 | 3 |
| 15A81A0573 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 29 | 48 | 3 |
| 15A81A0573 | R13209 | ENGG. DRAWING | 30 | 42 | 3 |
| 15A81A0573 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 45 | 2 |
| 15A81A0573 | R13214 | ENGINEERING PHYSICS LAB | 25 | 48 | 2 |
| 15A81A0573 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 24 | 46 | 2 |
| 15A81A0574 | R13201 | ENGLISH-II | 26 | 44 | 3 |
| 15A81A0574 | R13202 | MATHEMATICS-III | 24 | 38 | 3 |
| 15A81A0574 | R13203 | ENGG. PHYSICS | 21 | 32 | 3 |
| 15A81A0574 | R13207 | MATHEMATICS-II (MM) | 21 | 40 | 3 |
| 15A81A0574 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 28 | 36 | 3 |
| 15A81A0574 | R13209 | ENGG. DRAWING | 24 | 37 | 3 |
| 15A81A0574 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 40 | 2 |
| 15A81A0574 | R13214 | ENGINEERING PHYSICS LAB | 19 | 40 | 2 |
| 15A81A0574 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 21 | 41 | 2 |
| 15A81A0575 | R13201 | ENGLISH-II | 24 | 35 | 3 |
| 15A81A0575 | R13202 | MATHEMATICS-III | 29 | 61 | 3 |
| 15A81A0575 | R13203 | ENGG. PHYSICS | 25 | 40 | 3 |
| 15A81A0575 | R13207 | MATHEMATICS-II (MM) | 26 | 31 | 3 |
| 15A81A0575 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 29 | 36 | 3 |
| 15A81A0575 | R13209 | ENGG. DRAWING | 27 | 52 | 3 |
| 15A81A0575 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 40 | 2 |
| 15A81A0575 | R13214 | ENGINEERING PHYSICS LAB | 23 | 45 | 2 |
| 15A81A0575 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 23 | 45 | 2 |
| 15A81A0576 | R13201 | ENGLISH-II | 28 | 41 | 3 |
| 15A81A0576 | R13202 | MATHEMATICS-III | 30 | 43 | 3 |
| 15A81A0576 | R13203 | ENGG. PHYSICS | 27 | 70 | 3 |
| 15A81A0576 | R13207 | MATHEMATICS-II (MM) | 27 | 58 | 3 |
| 15A81A0576 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 25 | 45 | 3 |
| 15A81A0576 | R13209 | ENGG. DRAWING | 30 | 51 | 3 |
| 15A81A0576 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 23 | 45 | 2 |
| 15A81A0576 | R13214 | ENGINEERING PHYSICS LAB | 25 | 50 | 2 |
| 15A81A0576 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 24 | 44 | 2 |
| 15A81A0577 | R13201 | ENGLISH-II | 21 | 28 | 3 |
| 15A81A0577 | R13202 | MATHEMATICS-III | 12 | 10 | 0 |
| 15A81A0577 | R13203 | ENGG. PHYSICS | 12 | 2 | 0 |
| 15A81A0577 | R13207 | MATHEMATICS-II (MM) | 16 | 0 | 0 |
| 15A81A0577 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 21 | 34 | 3 |
| 15A81A0577 | R13209 | ENGG. DRAWING | 22 | 4 | 0 |
| 15A81A0577 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 42 | 2 |
| 15A81A0577 | R13214 | ENGINEERING PHYSICS LAB | 15 | 35 | 2 |
| 15A81A0577 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 20 | 38 | 2 |
| 15A81A0578 | R13201 | ENGLISH-II | 26 | 55 | 3 |
| 15A81A0578 | R13202 | MATHEMATICS-III | 28 | 44 | 3 |
| 15A81A0578 | R13203 | ENGG. PHYSICS | 22 | 33 | 3 |
| 15A81A0578 | R13207 | MATHEMATICS-II (MM) | 24 | 46 | 3 |
| 15A81A0578 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 26 | 31 | 3 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A0578 | R13209 | ENGG. DRAWING | 27 | 52 | 3 |
| 15A81A0578 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 44 | 2 |
| 15A81A0578 | R13214 | ENGINEERING PHYSICS LAB | 18 | 37 | 2 |
| 15A81A0578 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 23 | 46 | 2 |
| 15A81A0579 | R13201 | ENGLISH-II | 27 | 44 | 3 |
| 15A81A0579 | R13202 | MATHEMATICS-III | 28 | 54 | 3 |
| 15A81A0579 | R13203 | ENGG. PHYSICS | 28 | 36 | 3 |
| 15A81A0579 | R13207 | MATHEMATICS-II (MM) | 25 | 31 | 3 |
| 15A81A0579 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 27 | 31 | 3 |
| 15A81A0579 | R13209 | ENGG. DRAWING | 30 | 56 | 3 |
| 15A81A0579 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 24 | 47 | 2 |
| 15A81A0579 | R13214 | ENGINEERING PHYSICS LAB | 19 | 45 | 2 |
| 15A81A0579 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 24 | 46 | 2 |
| 15A81A0580 | R13201 | ENGLISH-II | 27 | 42 | 3 |
| 15A81A0580 | R13202 | MATHEMATICS-III | 29 | 48 | 3 |
| 15A81A0580 | R13203 | ENGG. PHYSICS | 25 | 52 | 3 |
| 15A81A0580 | R13207 | MATHEMATICS-II (MM) | 25 | 56 | 3 |
| 15A81A0580 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 28 | 39 | 3 |
| 15A81A0580 | R13209 | ENGG. DRAWING | 26 | 54 | 3 |
| 15A81A0580 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 23 | 45 | 2 |
| 15A81A0580 | R13214 | ENGINEERING PHYSICS LAB | 20 | 43 | 2 |
| 15A81A0580 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 22 | 44 | 2 |
| 15A81A0581 | R13201 | ENGLISH-II | 25 | 43 | 3 |
| 15A81A0581 | R13202 | MATHEMATICS-III | 29 | 27 | 3 |
| 15A81A0581 | R13203 | ENGG. PHYSICS | 25 | 36 | 3 |
| 15A81A0581 | R13207 | MATHEMATICS-II (MM) | 28 | 70 | 3 |
| 15A81A0581 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 28 | 44 | 3 |
| 15A81A0581 | R13209 | ENGG. DRAWING | 26 | 46 | 3 |
| 15A81A0581 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 24 | 45 | 2 |
| 15A81A0581 | R13214 | ENGINEERING PHYSICS LAB | 25 | 50 | 2 |
| 15A81A0581 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 23 | 48 | 2 |
| 15A81A0582 | R13201 | ENGLISH-II | 23 | 41 | 3 |
| 15A81A0582 | R13202 | MATHEMATICS-III | 27 | 37 | 3 |
| 15A81A0582 | R13203 | ENGG. PHYSICS | 22 | 4 | 0 |
| 15A81A0582 | R13207 | MATHEMATICS-II (MM) | 20 | 44 | 3 |
| 15A81A0582 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 25 | 35 | 3 |
| 15A81A0582 | R13209 | ENGG. DRAWING | 24 | 31 | 3 |
| 15A81A0582 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 40 | 2 |
| 15A81A0582 | R13214 | ENGINEERING PHYSICS LAB | 21 | 40 | 2 |
| 15A81A0582 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 20 | 39 | 2 |
| 15A81A0583 | R13201 | ENGLISH-II | 21 | 30 | 3 |
| 15A81A0583 | R13202 | MATHEMATICS-III | 25 | 44 | 3 |
| 15A81A0583 | R13203 | ENGG. PHYSICS | 23 | 33 | 3 |
| 15A81A0583 | R13207 | MATHEMATICS-II (MM) | 19 | 13 | 0 |
| 15A81A0583 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 20 | 51 | 3 |
| 15A81A0583 | R13209 | ENGG. DRAWING | 22 | 40 | 3 |
| 15A81A0583 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 18 | 39 | 2 |
| 15A81A0583 | R13214 | ENGINEERING PHYSICS LAB | 10 | 20 | 2 |
| 15A81A0583 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 21 | 43 | 2 |
| 15A81A0584 | R13201 | ENGLISH-II | 19 | 44 | 3 |
| 15A81A0584 | R13202 | MATHEMATICS-III | 22 | 0 | 0 |

| Htno | Subcode | Subname | Internal | External | credits |
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| 15A81A0584 | R13203 | ENGG. PHYSICS | 17 | 28 | 3 |
| 15A81A0584 | R13207 | MATHEMATICS-II (MM) | 17 | 24 | 3 |
| 15A81A0584 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 25 | 33 | 3 |
| 15A81A0584 | R13209 | ENGG. DRAWING | 26 | 10 | 0 |
| 15A81A0584 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 19 | 39 | 2 |
| 15A81A0584 | R13214 | ENGINEERING PHYSICS LAB | 18 | 40 | 2 |
| 15A81A0584 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 18 | 46 | 2 |
| 15A81A0585 | R13201 | ENGLISH-II | 26 | 46 | 3 |
| 15A81A0585 | R13202 | MATHEMATICS-III | 26 | 24 | 3 |
| 15A81A0585 | R13203 | ENGG. PHYSICS | 23 | 24 | 3 |
| 15A81A0585 | R13207 | MATHEMATICS-II (MM) | 20 | 58 | 3 |
| 15A81A0585 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 25 | 41 | 3 |
| 15A81A0585 | R13209 | ENGG. DRAWING | 27 | 24 | 3 |
| 15A81A0585 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 40 | 2 |
| 15A81A0585 | R13214 | ENGINEERING PHYSICS LAB | 20 | 42 | 2 |
| 15A81A0585 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 23 | 45 | 2 |
| 15A81A0586 | R13201 | ENGLISH-II | 24 | 49 | 3 |
| 15A81A0586 | R13202 | MATHEMATICS-III | 24 | 38 | 3 |
| 15A81A0586 | R13203 | ENGG. PHYSICS | 21 | 7 | 0 |
| 15A81A0586 | R13207 | MATHEMATICS-II (MM) | 19 | 45 | 3 |
| 15A81A0586 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 24 | 40 | 3 |
| 15A81A0586 | R13209 | ENGG. DRAWING | 22 | 51 | 3 |
| 15A81A0586 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 43 | 2 |
| 15A81A0586 | R13214 | ENGINEERING PHYSICS LAB | 18 | 40 | 2 |
| 15A81A0586 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 20 | 41 | 2 |
| 15A81A0587 | R13201 | ENGLISH-II | 24 | 37 | 3 |
| 15A81A0587 | R13202 | MATHEMATICS-III | 23 | 43 | 3 |
| 15A81A0587 | R13203 | ENGG. PHYSICS | 23 | 9 | 0 |
| 15A81A0587 | R13207 | MATHEMATICS-II (MM) | 23 | 26 | 3 |
| 15A81A0587 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 26 | 60 | 3 |
| 15A81A0587 | R13209 | ENGG. DRAWING | 26 | 49 | 3 |
| 15A81A0587 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 42 | 2 |
| 15A81A0587 | R13214 | ENGINEERING PHYSICS LAB | 13 | 45 | 2 |
| 15A81A0587 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 23 | 47 | 2 |
| 15A81A0588 | R13201 | ENGLISH-II | 23 | 36 | 3 |
| 15A81A0588 | R13202 | MATHEMATICS-III | 17 | 24 | 3 |
| 15A81A0588 | R13203 | ENGG. PHYSICS | 20 | 4 | 0 |
| 15A81A0588 | R13207 | MATHEMATICS-II (MM) | 14 | 36 | 3 |
| 15A81A0588 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 25 | 28 | 3 |
| 15A81A0588 | R13209 | ENGG. DRAWING | 20 | 25 | 3 |
| 15A81A0588 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 42 | 2 |
| 15A81A0588 | R13214 | ENGINEERING PHYSICS LAB | 16 | 38 | 2 |
| 15A81A0588 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 22 | 46 | 2 |
| 15A81A0589 | R13201 | ENGLISH-II | 21 | 48 | 3 |
| 15A81A0589 | R13202 | MATHEMATICS-III | 27 | 34 | 3 |
| 15A81A0589 | R13203 | ENGG. PHYSICS | 26 | 45 | 3 |
| 15A81A0589 | R13207 | MATHEMATICS-II (MM) | 26 | 70 | 3 |
| 15A81A0589 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 22 | 42 | 3 |
| 15A81A0589 | R13209 | ENGG. DRAWING | 28 | 54 | 3 |
| 15A81A0589 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 40 | 2 |
| 15A81A0589 | R13214 | ENGINEERING PHYSICS LAB | 20 | 43 | 2 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A0589 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 23 | 42 | 2 |
| 15A81A0590 | R13201 | ENGLISH-II | 21 | 48 | 3 |
| 15A81A0590 | R13202 | MATHEMATICS-III | 25 | 39 | 3 |
| 15A81A0590 | R13203 | ENGG. PHYSICS | 24 | 31 | 3 |
| 15A81A0590 | R13207 | MATHEMATICS-II (MM) | 23 | 38 | 3 |
| 15A81A0590 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 23 | 42 | 3 |
| 15A81A0590 | R13209 | ENGG. DRAWING | 26 | 4 | 0 |
| 15A81A0590 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 39 | 2 |
| 15A81A0590 | R13214 | ENGINEERING PHYSICS LAB | 18 | 45 | 2 |
| 15A81A0590 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 22 | 45 | 2 |
| 15A81A0591 | R13201 | ENGLISH-II | 21 | 40 | 3 |
| 15A81A0591 | R13202 | MATHEMATICS-III | 20 | 24 | 3 |
| 15A81A0591 | R13203 | ENGG. PHYSICS | 22 | 12 | 0 |
| 15A81A0591 | R13207 | MATHEMATICS-II (MM) | 18 | 25 | 3 |
| 15A81A0591 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 25 | 54 | 3 |
| 15A81A0591 | R13209 | ENGG. DRAWING | 21 | 24 | 3 |
| 15A81A0591 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 40 | 2 |
| 15A81A0591 | R13214 | ENGINEERING PHYSICS LAB | 20 | 40 | 2 |
| 15A81A0591 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 23 | 46 | 2 |
| 15A81A0592 | R13201 | ENGLISH-II | 19 | 25 | 3 |
| 15A81A0592 | R13202 | MATHEMATICS-III | 21 | 8 | 0 |
| 15A81A0592 | R13203 | ENGG. PHYSICS | 11 | 1 | 0 |
| 15A81A0592 | R13207 | MATHEMATICS-II (MM) | 15 | 14 | 0 |
| 15A81A0592 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 22 | 10 | 0 |
| 15A81A0592 | R13209 | ENGG. DRAWING | 22 | 0 | 0 |
| 15A81A0592 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 40 | 2 |
| 15A81A0592 | R13214 | ENGINEERING PHYSICS LAB | 18 | 35 | 2 |
| 15A81A0592 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 17 | 42 | 2 |
| 15A81A0593 | R13201 | ENGLISH-II | 23 | 41 | 3 |
| 15A81A0593 | R13202 | MATHEMATICS-III | 23 | 24 | 3 |
| 15A81A0593 | R13203 | ENGG. PHYSICS | 20 | 24 | 3 |
| 15A81A0593 | R13207 | MATHEMATICS-II (MM) | 20 | 37 | 3 |
| 15A81A0593 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 25 | 40 | 3 |
| 15A81A0593 | R13209 | ENGG. DRAWING | 22 | 11 | 0 |
| 15A81A0593 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 42 | 2 |
| 15A81A0593 | R13214 | ENGINEERING PHYSICS LAB | 15 | 40 | 2 |
| 15A81A0593 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 23 | 46 | 2 |
| 15A81A0594 | R13201 | ENGLISH-II | 24 | 41 | 3 |
| 15A81A0594 | R13202 | MATHEMATICS-III | 23 | 38 | 3 |
| 15A81A0594 | R13203 | ENGG. PHYSICS | 23 | 33 | 3 |
| 15A81A0594 | R13207 | MATHEMATICS-II (MM) | 20 | 28 | 3 |
| 15A81A0594 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 25 | 42 | 3 |
| 15A81A0594 | R13209 | ENGG. DRAWING | 24 | 47 | 3 |
| 15A81A0594 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 40 | 2 |
| 15A81A0594 | R13214 | ENGINEERING PHYSICS LAB | 23 | 47 | 2 |
| 15A81A0594 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 22 | 42 | 2 |
| 15A81A0595 | R13201 | ENGLISH-II | 27 | 38 | 3 |
| 15A81A0595 | R13202 | MATHEMATICS-III | 30 | 65 | 3 |
| 15A81A0595 | R13203 | ENGG. PHYSICS | 27 | 31 | 3 |
| 15A81A0595 | R13207 | MATHEMATICS-II (MM) | 27 | 43 | 3 |
| 15A81A0595 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 28 | 42 | 3 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A0595 | R13209 | ENGG. DRAWING | 27 | 42 | 3 |
| 15A81A0595 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 23 | 45 | 2 |
| 15A81A0595 | R13214 | ENGINEERING PHYSICS LAB | 25 | 50 | 2 |
| 15A81A0595 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 25 | 47 | 2 |
| 15A81A0596 | R13201 | ENGLISH-II | 21 | 43 | 3 |
| 15A81A0596 | R13202 | MATHEMATICS-III | 27 | 29 | 3 |
| 15A81A0596 | R13203 | ENGG. PHYSICS | 26 | 30 | 3 |
| 15A81A0596 | R13207 | MATHEMATICS-II (MM) | 25 | 46 | 3 |
| 15A81A0596 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 22 | 47 | 3 |
| 15A81A0596 | R13209 | ENGG. DRAWING | 22 | 29 | 3 |
| 15A81A0596 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 40 | 2 |
| 15A81A0596 | R13214 | ENGINEERING PHYSICS LAB | 12 | 30 | 2 |
| 15A81A0596 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 20 | 43 | 2 |
| 15A81A0597 | R13201 | ENGLISH-II | 28 | 49 | 3 |
| 15A81A0597 | R13202 | MATHEMATICS-III | 28 | 24 | 3 |
| 15A81A0597 | R13203 | ENGG. PHYSICS | 27 | 44 | 3 |
| 15A81A0597 | R13207 | MATHEMATICS-II (MM) | 26 | 63 | 3 |
| 15A81A0597 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 28 | 39 | 3 |
| 15A81A0597 | R13209 | ENGG. DRAWING | 30 | 61 | 3 |
| 15A81A0597 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 23 | 46 | 2 |
| 15A81A0597 | R13214 | ENGINEERING PHYSICS LAB | 25 | 50 | 2 |
| 15A81A0597 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 23 | 47 | 2 |
| 15A81A0598 | R13201 | ENGLISH-II | 18 | 36 | 3 |
| 15A81A0598 | R13202 | MATHEMATICS-III | 17 | 15 | 0 |
| 15A81A0598 | R13203 | ENGG. PHYSICS | 13 | 11 | 0 |
| 15A81A0598 | R13207 | MATHEMATICS-II (MM) | 17 | 7 | 0 |
| 15A81A0598 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 20 | 30 | 3 |
| 15A81A0598 | R13209 | ENGG. DRAWING | 20 | 32 | 3 |
| 15A81A0598 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 16 | 39 | 2 |
| 15A81A0598 | R13214 | ENGINEERING PHYSICS LAB | 10 | 20 | 2 |
| 15A81A0598 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 18 | 41 | 2 |
| 15A81A0599 | R13201 | ENGLISH-II | 24 | 46 | 3 |
| 15A81A0599 | R13202 | MATHEMATICS-III | 27 | 46 | 3 |
| 15A81A0599 | R13203 | ENGG. PHYSICS | 25 | 10 | 0 |
| 15A81A0599 | R13207 | MATHEMATICS-II (MM) | 26 | 37 | 3 |
| 15A81A0599 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 29 | 47 | 3 |
| 15A81A0599 | R13209 | ENGG. DRAWING | 30 | 48 | 3 |
| 15A81A0599 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 44 | 2 |
| 15A81A0599 | R13214 | ENGINEERING PHYSICS LAB | 20 | 45 | 2 |
| 15A81A0599 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 24 | 47 | 2 |
| 15A81A05A0 | R13201 | ENGLISH-II | 20 | 24 | 3 |
| 15A81A05A0 | R13202 | MATHEMATICS-III | 22 | 24 | 3 |
| 15A81A05A0 | R13203 | ENGG. PHYSICS | 14 | 0 | 0 |
| 15A81A05A0 | R13207 | MATHEMATICS-II (MM) | 16 | 32 | 3 |
| 15A81A05A0 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 19 | 38 | 3 |
| 15A81A05A0 | R13209 | ENGG. DRAWING | 20 | 0 | 0 |
| 15A81A05A0 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 17 | 33 | 2 |
| 15A81A05A0 | R13214 | ENGINEERING PHYSICS LAB | 13 | 20 | 2 |
| 15A81A05A0 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 19 | 43 | 2 |
| 15A81A05A1 | R13201 | ENGLISH-II | 26 | 46 | 3 |
| 15A81A05A1 | R13202 | MATHEMATICS-III | 28 | 53 | 3 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A05A1 | R13203 | ENGG. PHYSICS | 28 | 57 | 3 |
| 15A81A05A1 | R13207 | MATHEMATICS-II (MM) | 27 | 70 | 3 |
| 15A81A05A1 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 28 | 47 | 3 |
| 15A81A05A1 | R13209 | ENGG. DRAWING | 30 | 58 | 3 |
| 15A81A05A1 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 23 | 44 | 2 |
| 15A81A05A1 | R13214 | ENGINEERING PHYSICS LAB | 20 | 45 | 2 |
| 15A81A05A1 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 25 | 48 | 2 |
| 15A81A05A2 | R13201 | ENGLISH-II | 28 | 58 | 3 |
| 15A81A05A2 | R13202 | MATHEMATICS-III | 29 | 44 | 3 |
| 15A81A05A2 | R13203 | ENGG. PHYSICS | 27 | 48 | 3 |
| 15A81A05A2 | R13207 | MATHEMATICS-II (MM) | 28 | 58 | 3 |
| 15A81A05A2 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 28 | 43 | 3 |
| 15A81A05A2 | R13209 | ENGG. DRAWING | 27 | 62 | 3 |
| 15A81A05A2 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 44 | 2 |
| 15A81A05A2 | R13214 | ENGINEERING PHYSICS LAB | 20 | 43 | 2 |
| 15A81A05A2 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 25 | 48 | 2 |
| 15A81A05A3 | R13201 | ENGLISH-II | 23 | 40 | 3 |
| 15A81A05A3 | R13202 | MATHEMATICS-III | 25 | 37 | 3 |
| 15A81A05A3 | R13203 | ENGG. PHYSICS | 18 | 6 | 0 |
| 15A81A05A3 | R13207 | MATHEMATICS-II (MM) | 18 | 28 | 3 |
| 15A81A05A3 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 24 | 46 | 3 |
| 15A81A05A3 | R13209 | ENGG. DRAWING | 22 | 39 | 3 |
| 15A81A05A3 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 40 | 2 |
| 15A81A05A3 | R13214 | ENGINEERING PHYSICS LAB | 16 | 38 | 2 |
| 15A81A05A3 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 20 | 43 | 2 |
| 15A81A05A4 | R13201 | ENGLISH-II | 20 | 25 | 3 |
| 15A81A05A4 | R13202 | MATHEMATICS-III | 16 | 14 | 0 |
| 15A81A05A4 | R13203 | ENGG. PHYSICS | 7 | 1 | 0 |
| 15A81A05A4 | R13207 | MATHEMATICS-II (MM) | 14 | 34 | 3 |
| 15A81A05A4 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 17 | 47 | 3 |
| 15A81A05A4 | R13209 | ENGG. DRAWING | 19 | 2 | 0 |
| 15A81A05A4 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 14 | 34 | 2 |
| 15A81A05A4 | R13214 | ENGINEERING PHYSICS LAB | 10 | 10 | 0 |
| 15A81A05A4 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 19 | 35 | 2 |
| 15A81A05A5 | R13201 | ENGLISH-II | 21 | 37 | 3 |
| 15A81A05A5 | R13202 | MATHEMATICS-III | 28 | 28 | 3 |
| 15A81A05A5 | R13203 | ENGG. PHYSICS | 21 | 9 | 0 |
| 15A81A05A5 | R13207 | MATHEMATICS-II (MM) | 20 | 34 | 3 |
| 15A81A05A5 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 28 | 41 | 3 |
| 15A81A05A5 | R13209 | ENGG. DRAWING | 27 | 5 | 0 |
| 15A81A05A5 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 19 | 39 | 2 |
| 15A81A05A5 | R13214 | ENGINEERING PHYSICS LAB | 21 | 48 | 2 |
| 15A81A05A5 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 20 | 43 | 2 |
| 15A81A05A6 | R13201 | ENGLISH-II | 22 | 44 | 3 |
| 15A81A05A6 | R13202 | MATHEMATICS-III | 28 | 56 | 3 |
| 15A81A05A6 | R13203 | ENGG. PHYSICS | 28 | 31 | 3 |
| 15A81A05A6 | R13207 | MATHEMATICS-II (MM) | 26 | 59 | 3 |
| 15A81A05A6 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 29 | 38 | 3 |
| 15A81A05A6 | R13209 | ENGG. DRAWING | 30 | 65 | 3 |
| 15A81A05A6 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 42 | 2 |
| 15A81A05A6 | R13214 | ENGINEERING PHYSICS LAB | 25 | 46 | 2 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A05A6 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 23 | 44 | 2 |
| 15A81A05A7 | R13201 | ENGLISH-II | 25 | 40 | 3 |
| 15A81A05A7 | R13202 | MATHEMATICS-III | 27 | 27 | 3 |
| 15A81A05A7 | R13203 | ENGG. PHYSICS | 20 | 24 | 3 |
| 15A81A05A7 | R13207 | MATHEMATICS-II (MM) | 17 | 31 | 3 |
| 15A81A05A7 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 27 | 60 | 3 |
| 15A81A05A7 | R13209 | ENGG. DRAWING | 27 | 46 | 3 |
| 15A81A05A7 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 40 | 2 |
| 15A81A05A7 | R13214 | ENGINEERING PHYSICS LAB | 16 | 33 | 2 |
| 15A81A05A7 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 23 | 47 | 2 |
| 15A81A05A8 | R13201 | ENGLISH-II | 25 | 36 | 3 |
| 15A81A05A8 | R13202 | MATHEMATICS-III | 23 | 34 | 3 |
| 15A81A05A8 | R13203 | ENGG. PHYSICS | 19 | 24 | 3 |
| 15A81A05A8 | R13207 | MATHEMATICS-II (MM) | 21 | 32 | 3 |
| 15A81A05A8 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 21 | 52 | 3 |
| 15A81A05A8 | R13209 | ENGG. DRAWING | 27 | 24 | 3 |
| 15A81A05A8 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 41 | 2 |
| 15A81A05A8 | R13214 | ENGINEERING PHYSICS LAB | 20 | 43 | 2 |
| 15A81A05A8 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 22 | 43 | 2 |
| 15A81A05A9 | R13201 | ENGLISH-II | 23 | 34 | 3 |
| 15A81A05A9 | R13202 | MATHEMATICS-III | 29 | 25 | 3 |
| 15A81A05A9 | R13203 | ENGG. PHYSICS | 27 | 41 | 3 |
| 15A81A05A9 | R13207 | MATHEMATICS-II (MM) | 25 | 67 | 3 |
| 15A81A05A9 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 27 | 47 | 3 |
| 15A81A05A9 | R13209 | ENGG. DRAWING | 27 | 46 | 3 |
| 15A81A05A9 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 19 | 40 | 2 |
| 15A81A05A9 | R13214 | ENGINEERING PHYSICS LAB | 18 | 45 | 2 |
| 15A81A05A9 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 22 | 44 | 2 |
| 15A81A05B0 | R13201 | ENGLISH-II | 24 | 49 | 3 |
| 15A81A05B0 | R13202 | MATHEMATICS-III | 27 | 32 | 3 |
| 15A81A05B0 | R13203 | ENGG. PHYSICS | 25 | 8 | 0 |
| 15A81A05B0 | R13207 | MATHEMATICS-II (MM) | 22 | 37 | 3 |
| 15A81A05B0 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 26 | 41 | 3 |
| 15A81A05B0 | R13209 | ENGG. DRAWING | 30 | 37 | 3 |
| 15A81A05B0 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 40 | 2 |
| 15A81A05B0 | R13214 | ENGINEERING PHYSICS LAB | 13 | 30 | 2 |
| 15A81A05B0 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 22 | 44 | 2 |
| 15A81A05B1 | R13201 | ENGLISH-II | 26 | 53 | 3 |
| 15A81A05B1 | R13202 | MATHEMATICS-III | 28 | 61 | 3 |
| 15A81A05B1 | R13203 | ENGG. PHYSICS | 26 | 13 | 0 |
| 15A81A05B1 | R13207 | MATHEMATICS-II (MM) | 27 | 44 | 3 |
| 15A81A05B1 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 27 | 51 | 3 |
| 15A81A05B1 | R13209 | ENGG. DRAWING | 28 | 56 | 3 |
| 15A81A05B1 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 43 | 2 |
| 15A81A05B1 | R13214 | ENGINEERING PHYSICS LAB | 23 | 40 | 2 |
| 15A81A05B1 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 24 | 47 | 2 |
| 15A81A05B2 | R13201 | ENGLISH-II | 23 | 37 | 3 |
| 15A81A05B2 | R13202 | MATHEMATICS-III | 27 | 29 | 3 |
| 15A81A05B2 | R13203 | ENGG. PHYSICS | 23 | 25 | 3 |
| 15A81A05B2 | R13207 | MATHEMATICS-II (MM) | 25 | 52 | 3 |
| 15A81A05B2 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 28 | 38 | 3 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A05B2 | R13209 | ENGG. DRAWING | 24 | 44 | 3 |
| 15A81A05B2 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 40 | 2 |
| 15A81A05B2 | R13214 | ENGINEERING PHYSICS LAB | 13 | 28 | 2 |
| 15A81A05B2 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 19 | 41 | 2 |
| 15A81A05B3 | R13201 | ENGLISH-II | 21 | 39 | 3 |
| 15A81A05B3 | R13202 | MATHEMATICS-III | 24 | 24 | 3 |
| 15A81A05B3 | R13203 | ENGG. PHYSICS | 25 | 3 | 0 |
| 15A81A05B3 | R13207 | MATHEMATICS-II (MM) | 18 | 49 | 3 |
| 15A81A05B3 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 26 | 42 | 3 |
| 15A81A05B3 | R13209 | ENGG. DRAWING | 20 | 24 | 3 |
| 15A81A05B3 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 15 | 39 | 2 |
| 15A81A05B3 | R13214 | ENGINEERING PHYSICS LAB | 10 | 20 | 2 |
| 15A81A05B3 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 18 | 34 | 2 |
| 15A81A05B4 | R13201 | ENGLISH-II | 24 | 48 | 3 |
| 15A81A05B4 | R13202 | MATHEMATICS-III | 25 | 29 | 3 |
| 15A81A05B4 | R13203 | ENGG. PHYSICS | 18 | 7 | 0 |
| 15A81A05B4 | R13207 | MATHEMATICS-II (MM) | 20 | 42 | 3 |
| 15A81A05B4 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 26 | 42 | 3 |
| 15A81A05B4 | R13209 | ENGG. DRAWING | 28 | 47 | 3 |
| 15A81A05B4 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 40 | 2 |
| 15A81A05B4 | R13214 | ENGINEERING PHYSICS LAB | 13 | 35 | 2 |
| 15A81A05B4 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 23 | 46 | 2 |
| 15A81A05B5 | R13201 | ENGLISH-II | 25 | 26 | 3 |
| 15A81A05B5 | R13202 | MATHEMATICS-III | 25 | 24 | 3 |
| 15A81A05B5 | R13203 | ENGG. PHYSICS | 19 | 2 | 0 |
| 15A81A05B5 | R13207 | MATHEMATICS-II (MM) | 19 | 29 | 3 |
| 15A81A05B5 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 23 | 13 | 0 |
| 15A81A05B5 | R13209 | ENGG. DRAWING | 29 | 33 | 3 |
| 15A81A05B5 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 23 | 46 | 2 |
| 15A81A05B5 | R13214 | ENGINEERING PHYSICS LAB | 14 | 30 | 2 |
| 15A81A05B5 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 20 | 42 | 2 |
| 15A81A05B6 | R13201 | ENGLISH-II | 27 | 49 | 3 |
| 15A81A05B6 | R13202 | MATHEMATICS-III | 26 | 36 | 3 |
| 15A81A05B6 | R13203 | ENGG. PHYSICS | 29 | 37 | 3 |
| 15A81A05B6 | R13207 | MATHEMATICS-II (MM) | 26 | 53 | 3 |
| 15A81A05B6 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 29 | 53 | 3 |
| 15A81A05B6 | R13209 | ENGG. DRAWING | 28 | 41 | 3 |
| 15A81A05B6 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 23 | 45 | 2 |
| 15A81A05B6 | R13214 | ENGINEERING PHYSICS LAB | 25 | 50 | 2 |
| 15A81A05B6 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 24 | 46 | 2 |
| 15A81A05B7 | R13201 | ENGLISH-II | 23 | 35 | 3 |
| 15A81A05B7 | R13202 | MATHEMATICS-III | 25 | 26 | 3 |
| 15A81A05B7 | R13203 | ENGG. PHYSICS | 24 | 27 | 3 |
| 15A81A05B7 | R13207 | MATHEMATICS-II (MM) | 23 | 54 | 3 |
| 15A81A05B7 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 22 | 38 | 3 |
| 15A81A05B7 | R13209 | ENGG. DRAWING | 27 | 34 | 3 |
| 15A81A05B7 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 40 | 2 |
| 15A81A05B7 | R13214 | ENGINEERING PHYSICS LAB | 12 | -1 | 0 |
| 15A81A05B7 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 21 | -1 | 0 |
| 15A81A05B8 | R13201 | ENGLISH-II | 28 | 40 | 3 |
| 15A81A05B8 | R13202 | MATHEMATICS-III | 29 | 42 | 3 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A05B8 | R13203 | ENGG. PHYSICS | 28 | 44 | 3 |
| 15A81A05B8 | R13207 | MATHEMATICS-II (MM) | 28 | 59 | 3 |
| 15A81A05B8 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 29 | 44 | 3 |
| 15A81A05B8 | R13209 | ENGG. DRAWING | 30 | 69 | 3 |
| 15A81A05B8 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 23 | 46 | 2 |
| 15A81A05B8 | R13214 | ENGINEERING PHYSICS LAB | 25 | 50 | 2 |
| 15A81A05B8 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 24 | 47 | 2 |
| 15A81A05B9 | R13201 | ENGLISH-II | 27 | 52 | 3 |
| 15A81A05B9 | R13202 | MATHEMATICS-III | 28 | 64 | 3 |
| 15A81A05B9 | R13203 | ENGG. PHYSICS | 25 | 39 | 3 |
| 15A81A05B9 | R13207 | MATHEMATICS-II (MM) | 26 | 45 | 3 |
| 15A81A05B9 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 28 | 62 | 3 |
| 15A81A05B9 | R13209 | ENGG. DRAWING | 27 | 53 | 3 |
| 15A81A05B9 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 24 | 48 | 2 |
| 15A81A05B9 | R13214 | ENGINEERING PHYSICS LAB | 25 | 50 | 2 |
| 15A81A05B9 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 25 | 48 | 2 |
| 15A81A05C0 | R13201 | ENGLISH-II | 26 | 45 | 3 |
| 15A81A05C0 | R13202 | MATHEMATICS-III | 30 | 45 | 3 |
| 15A81A05C0 | R13203 | ENGG. PHYSICS | 26 | 51 | 3 |
| 15A81A05C0 | R13207 | MATHEMATICS-II (MM) | 26 | 46 | 3 |
| 15A81A05C0 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 29 | 53 | 3 |
| 15A81A05C0 | R13209 | ENGG. DRAWING | 30 | 54 | 3 |
| 15A81A05C0 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 23 | 45 | 2 |
| 15A81A05C0 | R13214 | ENGINEERING PHYSICS LAB | 25 | 50 | 2 |
| 15A81A05C0 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 24 | 46 | 2 |
| 15A81A05C1 | R13201 | ENGLISH-II | 22 | 34 | 3 |
| 15A81A05C1 | R13202 | MATHEMATICS-III | 24 | 28 | 3 |
| 15A81A05C1 | R13203 | ENGG. PHYSICS | 18 | 24 | 3 |
| 15A81A05C1 | R13207 | MATHEMATICS-II (MM) | 23 | 35 | 3 |
| 15A81A05C1 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 24 | 34 | 3 |
| 15A81A05C1 | R13209 | ENGG. DRAWING | 26 | 10 | 0 |
| 15A81A05C1 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 33 | 2 |
| 15A81A05C1 | R13214 | ENGINEERING PHYSICS LAB | 21 | 37 | 2 |
| 15A81A05C1 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 21 | 43 | 2 |
| 15A81A05C2 | R13201 | ENGLISH-II | 27 | 26 | 3 |
| 15A81A05C2 | R13202 | MATHEMATICS-III | 20 | 14 | 0 |
| 15A81A05C2 | R13203 | ENGG. PHYSICS | 17 | 10 | 0 |
| 15A81A05C2 | R13207 | MATHEMATICS-II (MM) | 16 | 6 | 0 |
| 15A81A05C2 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 25 | 38 | 3 |
| 15A81A05C2 | R13209 | ENGG. DRAWING | 27 | 10 | 0 |
| 15A81A05C2 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 37 | 2 |
| 15A81A05C2 | R13214 | ENGINEERING PHYSICS LAB | 23 | 42 | 2 |
| 15A81A05C2 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 23 | 46 | 2 |
| 15A81A05C3 | R13201 | ENGLISH-II | 26 | 46 | 3 |
| 15A81A05C3 | R13202 | MATHEMATICS-III | 29 | 57 | 3 |
| 15A81A05C3 | R13203 | ENGG. PHYSICS | 27 | 30 | 3 |
| 15A81A05C3 | R13207 | MATHEMATICS-II (MM) | 29 | 48 | 3 |
| 15A81A05C3 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 24 | 50 | 3 |
| 15A81A05C3 | R13209 | ENGG. DRAWING | 30 | 37 | 3 |
| 15A81A05C3 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 39 | 2 |
| 15A81A05C3 | R13214 | ENGINEERING PHYSICS LAB | 25 | 44 | 2 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A05C3 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 23 | 46 | 2 |
| 15A81A05C4 | R13201 | ENGLISH-II | 28 | 47 | 3 |
| 15A81A05C4 | R13202 | MATHEMATICS-III | 27 | 43 | 3 |
| 15A81A05C4 | R13203 | ENGG. PHYSICS | 26 | 35 | 3 |
| 15A81A05C4 | R13207 | MATHEMATICS-II (MM) | 27 | 47 | 3 |
| 15A81A05C4 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 27 | 47 | 3 |
| 15A81A05C4 | R13209 | ENGG. DRAWING | 30 | 35 | 3 |
| 15A81A05C4 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 38 | 2 |
| 15A81A05C4 | R13214 | ENGINEERING PHYSICS LAB | 24 | 44 | 2 |
| 15A81A05C4 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 22 | 46 | 2 |
| 15A81A05C5 | R13201 | ENGLISH-II | 26 | 43 | 3 |
| 15A81A05C5 | R13202 | MATHEMATICS-III | 26 | 24 | 3 |
| 15A81A05C5 | R13203 | ENGG. PHYSICS | 27 | 24 | 3 |
| 15A81A05C5 | R13207 | MATHEMATICS-II (MM) | 26 | 48 | 3 |
| 15A81A05C5 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 29 | 37 | 3 |
| 15A81A05C5 | R13209 | ENGG. DRAWING | 30 | 33 | 3 |
| 15A81A05C5 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 23 | 38 | 2 |
| 15A81A05C5 | R13214 | ENGINEERING PHYSICS LAB | 23 | 43 | 2 |
| 15A81A05C5 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 23 | 46 | 2 |
| 15A81A05C6 | R13201 | ENGLISH-II | 27 | 36 | 3 |
| 15A81A05C6 | R13202 | MATHEMATICS-III | 19 | 2 | 0 |
| 15A81A05C6 | R13203 | ENGG. PHYSICS | 22 | 24 | 3 |
| 15A81A05C6 | R13207 | MATHEMATICS-II (MM) | 17 | 16 | 0 |
| 15A81A05C6 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 27 | 40 | 3 |
| 15A81A05C6 | R13209 | ENGG. DRAWING | 28 | 49 | 3 |
| 15A81A05C6 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 24 | 47 | 2 |
| 15A81A05C6 | R13214 | ENGINEERING PHYSICS LAB | 21 | 42 | 2 |
| 15A81A05C6 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 22 | 45 | 2 |
| 15A81A05C7 | R13201 | ENGLISH-II | 20 | 15 | 0 |
| 15A81A05C7 | R13202 | MATHEMATICS-III | 12 | 0 | 0 |
| 15A81A05C7 | R13203 | ENGG. PHYSICS | 8 | 4 | 0 |
| 15A81A05C7 | R13207 | MATHEMATICS-II (MM) | 16 | 1 | 0 |
| 15A81A05C7 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 17 | 42 | 3 |
| 15A81A05C7 | R13209 | ENGG. DRAWING | 18 | 0 | 0 |
| 15A81A05C7 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 19 | 34 | 2 |
| 15A81A05C7 | R13214 | ENGINEERING PHYSICS LAB | 13 | 37 | 2 |
| 15A81A05C7 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 19 | 32 | 2 |
| 15A81A05C8 | R13201 | ENGLISH-II | 22 | 43 | 3 |
| 15A81A05C8 | R13202 | MATHEMATICS-III | 27 | 39 | 3 |
| 15A81A05C8 | R13203 | ENGG. PHYSICS | 26 | 59 | 3 |
| 15A81A05C8 | R13207 | MATHEMATICS-II (MM) | 24 | 42 | 3 |
| 15A81A05C8 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 28 | 53 | 3 |
| 15A81A05C8 | R13209 | ENGG. DRAWING | 27 | 36 | 3 |
| 15A81A05C8 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 40 | 2 |
| 15A81A05C8 | R13214 | ENGINEERING PHYSICS LAB | 25 | 37 | 2 |
| 15A81A05C8 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 24 | 45 | 2 |
| 15A81A05C9 | R13201 | ENGLISH-II | 27 | 41 | 3 |
| 15A81A05C9 | R13202 | MATHEMATICS-III | 29 | 25 | 3 |
| 15A81A05C9 | R13203 | ENGG. PHYSICS | 25 | 47 | 3 |
| 15A81A05C9 | R13207 | MATHEMATICS-II (MM) | 28 | 62 | 3 |
| 15A81A05C9 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 27 | 46 | 3 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A05C9 | R13209 | ENGG. DRAWING | 28 | 33 | 3 |
| 15A81A05C9 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 24 | 46 | 2 |
| 15A81A05C9 | R13214 | ENGINEERING PHYSICS LAB | 24 | 44 | 2 |
| 15A81A05C9 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 22 | 45 | 2 |
| 15A81A05D0 | R13201 | ENGLISH-II | 23 | 26 | 3 |
| 15A81A05D0 | R13202 | MATHEMATICS-III | 16 | 9 | 0 |
| 15A81A05D0 | R13203 | ENGG. PHYSICS | 12 | 4 | 0 |
| 15A81A05D0 | R13207 | MATHEMATICS-II (MM) | 28 | 12 | 0 |
| 15A81A05D0 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 18 | 33 | 3 |
| 15A81A05D0 | R13209 | ENGG. DRAWING | 25 | 31 | 3 |
| 15A81A05D0 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 37 | 2 |
| 15A81A05D0 | R13214 | ENGINEERING PHYSICS LAB | 22 | 36 | 2 |
| 15A81A05D0 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 16 | 43 | 2 |
| 15A81A05D1 | R13201 | ENGLISH-II | 27 | 40 | 3 |
| 15A81A05D1 | R13202 | MATHEMATICS-III | 25 | 57 | 3 |
| 15A81A05D1 | R13203 | ENGG. PHYSICS | 25 | 33 | 3 |
| 15A81A05D1 | R13207 | MATHEMATICS-II (MM) | 26 | 31 | 3 |
| 15A81A05D1 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 29 | 59 | 3 |
| 15A81A05D1 | R13209 | ENGG. DRAWING | 30 | 38 | 3 |
| 15A81A05D1 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 42 | 2 |
| 15A81A05D1 | R13214 | ENGINEERING PHYSICS LAB | 24 | 46 | 2 |
| 15A81A05D1 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 22 | 45 | 2 |
| 15A81A05D2 | R13201 | ENGLISH-II | 23 | 40 | 3 |
| 15A81A05D2 | R13202 | MATHEMATICS-III | 21 | 2 | 0 |
| 15A81A05D2 | R13203 | ENGG. PHYSICS | 18 | 38 | 3 |
| 15A81A05D2 | R13207 | MATHEMATICS-II (MM) | 22 | 32 | 3 |
| 15A81A05D2 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 26 | 49 | 3 |
| 15A81A05D2 | R13209 | ENGG. DRAWING | 28 | 29 | 3 |
| 15A81A05D2 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 23 | 42 | 2 |
| 15A81A05D2 | R13214 | ENGINEERING PHYSICS LAB | 22 | 42 | 2 |
| 15A81A05D2 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 22 | 45 | 2 |
| 15A81A05D3 | R13201 | ENGLISH-II | 27 | 47 | 3 |
| 15A81A05D3 | R13202 | MATHEMATICS-III | 26 | 25 | 3 |
| 15A81A05D3 | R13203 | ENGG. PHYSICS | 24 | 46 | 3 |
| 15A81A05D3 | R13207 | MATHEMATICS-II (MM) | 27 | 37 | 3 |
| 15A81A05D3 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 25 | 42 | 3 |
| 15A81A05D3 | R13209 | ENGG. DRAWING | 28 | 34 | 3 |
| 15A81A05D3 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 23 | 42 | 2 |
| 15A81A05D3 | R13214 | ENGINEERING PHYSICS LAB | 25 | 49 | 2 |
| 15A81A05D3 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 20 | 47 | 2 |
| 15A81A05D4 | R13201 | ENGLISH-II | 25 | 50 | 3 |
| 15A81A05D4 | R13202 | MATHEMATICS-III | 27 | 44 | 3 |
| 15A81A05D4 | R13203 | ENGG. PHYSICS | 24 | 33 | 3 |
| 15A81A05D4 | R13207 | MATHEMATICS-II (MM) | 25 | 42 | 3 |
| 15A81A05D4 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 24 | 38 | 3 |
| 15A81A05D4 | R13209 | ENGG. DRAWING | 27 | 44 | 3 |
| 15A81A05D4 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 23 | 42 | 2 |
| 15A81A05D4 | R13214 | ENGINEERING PHYSICS LAB | 24 | 49 | 2 |
| 15A81A05D4 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 24 | 49 | 2 |
| 15A81A05D5 | R13201 | ENGLISH-II | 27 | 44 | 3 |
| 15A81A05D5 | R13202 | MATHEMATICS-III | 28 | 58 | 3 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A05D5 | R13203 | ENGG. PHYSICS | 25 | 30 | 3 |
| 15A81A05D5 | R13207 | MATHEMATICS-II (MM) | 26 | 40 | 3 |
| 15A81A05D5 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 26 | 56 | 3 |
| 15A81A05D5 | R13209 | ENGG. DRAWING | 28 | 39 | 3 |
| 15A81A05D5 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 23 | 44 | 2 |
| 15A81A05D5 | R13214 | ENGINEERING PHYSICS LAB | 22 | 46 | 2 |
| 15A81A05D5 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 19 | 41 | 2 |
| 15A81A05D6 | R13201 | ENGLISH-II | 20 | 28 | 3 |
| 15A81A05D6 | R13202 | MATHEMATICS-III | 24 | 2 | 0 |
| 15A81A05D6 | R13203 | ENGG. PHYSICS | 14 | 13 | 0 |
| 15A81A05D6 | R13207 | MATHEMATICS-II (MM) | 16 | 15 | 0 |
| 15A81A05D6 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 22 | 38 | 3 |
| 15A81A05D6 | R13209 | ENGG. DRAWING | 28 | 24 | 3 |
| 15A81A05D6 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 40 | 2 |
| 15A81A05D6 | R13214 | ENGINEERING PHYSICS LAB | 22 | 37 | 2 |
| 15A81A05D6 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 21 | 43 | 2 |
| 15A81A05D7 | R13201 | ENGLISH-II | 25 | 43 | 3 |
| 15A81A05D7 | R13202 | MATHEMATICS-III | 27 | 42 | 3 |
| 15A81A05D7 | R13203 | ENGG. PHYSICS | 27 | 37 | 3 |
| 15A81A05D7 | R13207 | MATHEMATICS-II (MM) | 27 | 59 | 3 |
| 15A81A05D7 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 27 | 40 | 3 |
| 15A81A05D7 | R13209 | ENGG. DRAWING | 29 | 37 | 3 |
| 15A81A05D7 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 24 | 46 | 2 |
| 15A81A05D7 | R13214 | ENGINEERING PHYSICS LAB | 25 | 47 | 2 |
| 15A81A05D7 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 24 | 46 | 2 |
| 15A81A05D8 | R13201 | ENGLISH-II | 23 | 36 | 3 |
| 15A81A05D8 | R13202 | MATHEMATICS-III | 23 | 37 | 3 |
| 15A81A05D8 | R13203 | ENGG. PHYSICS | 27 | 42 | 3 |
| 15A81A05D8 | R13207 | MATHEMATICS-II (MM) | 23 | 32 | 3 |
| 15A81A05D8 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 28 | 37 | 3 |
| 15A81A05D8 | R13209 | ENGG. DRAWING | 30 | 35 | 3 |
| 15A81A05D8 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 43 | 2 |
| 15A81A05D8 | R13214 | ENGINEERING PHYSICS LAB | 21 | 41 | 2 |
| 15A81A05D8 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 23 | 40 | 2 |
| 15A81A05D9 | R13201 | ENGLISH-II | 25 | 51 | 3 |
| 15A81A05D9 | R13202 | MATHEMATICS-III | 22 | -1 | 0 |
| 15A81A05D9 | R13203 | ENGG. PHYSICS | 24 | 30 | 3 |
| 15A81A05D9 | R13207 | MATHEMATICS-II (MM) | 23 | 32 | 3 |
| 15A81A05D9 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 27 | 53 | 3 |
| 15A81A05D9 | R13209 | ENGG. DRAWING | 28 | -1 | 0 |
| 15A81A05D9 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 24 | 48 | 2 |
| 15A81A05D9 | R13214 | ENGINEERING PHYSICS LAB | 23 | 38 | 2 |
| 15A81A05D9 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 23 | 48 | 2 |
| 15A81A05E0 | R13201 | ENGLISH-II | 20 | 25 | 3 |
| 15A81A05E0 | R13202 | MATHEMATICS-III | 17 | 3 | 0 |
| 15A81A05E0 | R13203 | ENGG. PHYSICS | 11 | 33 | 3 |
| 15A81A05E0 | R13207 | MATHEMATICS-II (MM) | 18 | 12 | 0 |
| 15A81A05E0 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 18 | 39 | 3 |
| 15A81A05E0 | R13209 | ENGG. DRAWING | 23 | 24 | 3 |
| 15A81A05E0 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 19 | 34 | 2 |
| 15A81A05E0 | R13214 | ENGINEERING PHYSICS LAB | 19 | 36 | 2 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A05E0 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 16 | 33 | 2 |
| 15A81A05E1 | R13201 | ENGLISH-II | 26 | 43 | 3 |
| 15A81A05E1 | R13202 | MATHEMATICS-III | 24 | 35 | 3 |
| 15A81A05E1 | R13203 | ENGG. PHYSICS | 24 | 35 | 3 |
| 15A81A05E1 | R13207 | MATHEMATICS-II (MM) | 27 | 59 | 3 |
| 15A81A05E1 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 26 | 48 | 3 |
| 15A81A05E1 | R13209 | ENGG. DRAWING | 27 | 36 | 3 |
| 15A81A05E1 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 24 | 42 | 2 |
| 15A81A05E1 | R13214 | ENGINEERING PHYSICS LAB | 23 | 47 | 2 |
| 15A81A05E1 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 22 | 46 | 2 |
| 15A81A05E2 | R13201 | ENGLISH-II | 21 | 34 | 3 |
| 15A81A05E2 | R13202 | MATHEMATICS-III | 19 | 13 | 0 |
| 15A81A05E2 | R13203 | ENGG. PHYSICS | 16 | 8 | 0 |
| 15A81A05E2 | R13207 | MATHEMATICS-II (MM) | 21 | 27 | 3 |
| 15A81A05E2 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 22 | 28 | 3 |
| 15A81A05E2 | R13209 | ENGG. DRAWING | 27 | 24 | 3 |
| 15A81A05E2 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 43 | 2 |
| 15A81A05E2 | R13214 | ENGINEERING PHYSICS LAB | 22 | 38 | 2 |
| 15A81A05E2 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 23 | 45 | 2 |
| 15A81A05E3 | R13201 | ENGLISH-II | 19 | 33 | 3 |
| 15A81A05E3 | R13202 | MATHEMATICS-III | 17 | 15 | 0 |
| 15A81A05E3 | R13203 | ENGG. PHYSICS | 17 | 10 | 0 |
| 15A81A05E3 | R13207 | MATHEMATICS-II (MM) | 19 | 17 | 0 |
| 15A81A05E3 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 22 | 46 | 3 |
| 15A81A05E3 | R13209 | ENGG. DRAWING | 25 | 24 | 3 |
| 15A81A05E3 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 19 | 36 | 2 |
| 15A81A05E3 | R13214 | ENGINEERING PHYSICS LAB | 20 | 31 | 2 |
| 15A81A05E3 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 19 | 39 | 2 |
| 15A81A05E4 | R13201 | ENGLISH-II | 26 | 40 | 3 |
| 15A81A05E4 | R13202 | MATHEMATICS-III | 28 | 58 | 3 |
| 15A81A05E4 | R13203 | ENGG. PHYSICS | 28 | 61 | 3 |
| 15A81A05E4 | R13207 | MATHEMATICS-II (MM) | 29 | 52 | 3 |
| 15A81A05E4 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 28 | 53 | 3 |
| 15A81A05E4 | R13209 | ENGG. DRAWING | 28 | 49 | 3 |
| 15A81A05E4 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 24 | 47 | 2 |
| 15A81A05E4 | R13214 | ENGINEERING PHYSICS LAB | 22 | 43 | 2 |
| 15A81A05E4 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 23 | 45 | 2 |
| 15A81A05E5 | R13201 | ENGLISH-II | 24 | 44 | 3 |
| 15A81A05E5 | R13202 | MATHEMATICS-III | 23 | 24 | 3 |
| 15A81A05E5 | R13203 | ENGG. PHYSICS | 26 | 26 | 3 |
| 15A81A05E5 | R13207 | MATHEMATICS-II (MM) | 25 | 46 | 3 |
| 15A81A05E5 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 29 | 52 | 3 |
| 15A81A05E5 | R13209 | ENGG. DRAWING | 26 | 10 | 0 |
| 15A81A05E5 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 44 | 2 |
| 15A81A05E5 | R13214 | ENGINEERING PHYSICS LAB | 23 | 46 | 2 |
| 15A81A05E5 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 23 | 45 | 2 |
| 15A81A05E6 | R13201 | ENGLISH-II | 22 | 45 | 3 |
| 15A81A05E6 | R13202 | MATHEMATICS-III | 27 | 44 | 3 |
| 15A81A05E6 | R13203 | ENGG. PHYSICS | 27 | 31 | 3 |
| 15A81A05E6 | R13207 | MATHEMATICS-II (MM) | 24 | 52 | 3 |
| 15A81A05E6 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 20 | 42 | 3 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A05E6 | R13209 | ENGG. DRAWING | 28 | 36 | 3 |
| 15A81A05E6 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 42 | 2 |
| 15A81A05E6 | R13214 | ENGINEERING PHYSICS LAB | 24 | 41 | 2 |
| 15A81A05E6 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 24 | 48 | 2 |
| 15A81A05E7 | R13201 | ENGLISH-II | 22 | 33 | 3 |
| 15A81A05E7 | R13202 | MATHEMATICS-III | 18 | 15 | 0 |
| 15A81A05E7 | R13203 | ENGG. PHYSICS | 19 | 2 | 0 |
| 15A81A05E7 | R13207 | MATHEMATICS-II (MM) | 16 | 14 | 0 |
| 15A81A05E7 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 14 | 39 | 3 |
| 15A81A05E7 | R13209 | ENGG. DRAWING | 24 | 29 | 3 |
| 15A81A05E7 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 19 | 36 | 2 |
| 15A81A05E7 | R13214 | ENGINEERING PHYSICS LAB | 18 | 29 | 2 |
| 15A81A05E7 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 18 | 39 | 2 |
| 15A81A05E8 | R13201 | ENGLISH-II | 24 | 32 | 3 |
| 15A81A05E8 | R13202 | MATHEMATICS-III | 24 | 36 | 3 |
| 15A81A05E8 | R13203 | ENGG. PHYSICS | 22 | 37 | 3 |
| 15A81A05E8 | R13207 | MATHEMATICS-II (MM) | 24 | 32 | 3 |
| 15A81A05E8 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 22 | 33 | 3 |
| 15A81A05E8 | R13209 | ENGG. DRAWING | 27 | 24 | 3 |
| 15A81A05E8 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 39 | 2 |
| 15A81A05E8 | R13214 | ENGINEERING PHYSICS LAB | 16 | 38 | 2 |
| 15A81A05E8 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 19 | 42 | 2 |
| 15A81A05E9 | R13201 | ENGLISH-II | 21 | 33 | 3 |
| 15A81A05E9 | R13202 | MATHEMATICS-III | 16 | 11 | 0 |
| 15A81A05E9 | R13203 | ENGG. PHYSICS | 11 | 0 | 0 |
| 15A81A05E9 | R13207 | MATHEMATICS-II (MM) | 16 | 24 | 3 |
| 15A81A05E9 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 22 | 24 | 3 |
| 15A81A05E9 | R13209 | ENGG. DRAWING | 20 | 0 | 0 |
| 15A81A05E9 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 41 | 2 |
| 15A81A05E9 | R13214 | ENGINEERING PHYSICS LAB | 13 | 27 | 2 |
| 15A81A05E9 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 15 | 32 | 2 |
| 15A81A05F0 | R13201 | ENGLISH-II | 22 | 24 | 3 |
| 15A81A05F0 | R13202 | MATHEMATICS-III | 24 | 24 | 3 |
| 15A81A05F0 | R13203 | ENGG. PHYSICS | 19 | 11 | 0 |
| 15A81A05F0 | R13207 | MATHEMATICS-II (MM) | 21 | 14 | 0 |
| 15A81A05F0 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 22 | 24 | 3 |
| 15A81A05F0 | R13209 | ENGG. DRAWING | 24 | 10 | 0 |
| 15A81A05F0 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 19 | 34 | 2 |
| 15A81A05F0 | R13214 | ENGINEERING PHYSICS LAB | 23 | 37 | 2 |
| 15A81A05F0 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 19 | 39 | 2 |
| 15A81A05F1 | R13201 | ENGLISH-II | 26 | 54 | 3 |
| 15A81A05F1 | R13202 | MATHEMATICS-III | 29 | 66 | 3 |
| 15A81A05F1 | R13203 | ENGG. PHYSICS | 29 | 62 | 3 |
| 15A81A05F1 | R13207 | MATHEMATICS-II (MM) | 28 | 53 | 3 |
| 15A81A05F1 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 27 | 64 | 3 |
| 15A81A05F1 | R13209 | ENGG. DRAWING | 30 | 51 | 3 |
| 15A81A05F1 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 48 | 2 |
| 15A81A05F1 | R13214 | ENGINEERING PHYSICS LAB | 25 | 44 | 2 |
| 15A81A05F1 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 25 | 49 | 2 |
| 15A81A05F2 | R13201 | ENGLISH-II | 25 | 42 | 3 |
| 15A81A05F2 | R13202 | MATHEMATICS-III | 29 | 43 | 3 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A05F2 | R13203 | ENGG. PHYSICS | 28 | 35 | 3 |
| 15A81A05F2 | R13207 | MATHEMATICS-II (MM) | 29 | 41 | 3 |
| 15A81A05F2 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 30 | 52 | 3 |
| 15A81A05F2 | R13209 | ENGG. DRAWING | 30 | 35 | 3 |
| 15A81A05F2 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 23 | 47 | 2 |
| 15A81A05F2 | R13214 | ENGINEERING PHYSICS LAB | 24 | 46 | 2 |
| 15A81A05F2 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 24 | 47 | 2 |
| 15A81A05F3 | R13201 | ENGLISH-II | 24 | 38 | 3 |
| 15A81A05F3 | R13202 | MATHEMATICS-III | 24 | 29 | 3 |
| 15A81A05F3 | R13203 | ENGG. PHYSICS | 25 | 35 | 3 |
| 15A81A05F3 | R13207 | MATHEMATICS-II (MM) | 24 | 26 | 3 |
| 15A81A05F3 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 26 | 25 | 3 |
| 15A81A05F3 | R13209 | ENGG. DRAWING | 26 | 10 | 0 |
| 15A81A05F3 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 42 | 2 |
| 15A81A05F3 | R13214 | ENGINEERING PHYSICS LAB | 22 | 42 | 2 |
| 15A81A05F3 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 23 | 45 | 2 |
| 15A81A05F4 | R13201 | ENGLISH-II | 20 | 28 | 3 |
| 15A81A05F4 | R13202 | MATHEMATICS-III | 20 | 25 | 3 |
| 15A81A05F4 | R13203 | ENGG. PHYSICS | 20 | 24 | 3 |
| 15A81A05F4 | R13207 | MATHEMATICS-II (MM) | 18 | 28 | 3 |
| 15A81A05F4 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 23 | 39 | 3 |
| 15A81A05F4 | R13209 | ENGG. DRAWING | 28 | 8 | 0 |
| 15A81A05F4 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 44 | 2 |
| 15A81A05F4 | R13214 | ENGINEERING PHYSICS LAB | 22 | 36 | 2 |
| 15A81A05F4 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 23 | 46 | 2 |
| 15A81A05F5 | R13201 | ENGLISH-II | 18 | 43 | 3 |
| 15A81A05F5 | R13202 | MATHEMATICS-III | 28 | 59 | 3 |
| 15A81A05F5 | R13203 | ENGG. PHYSICS | 26 | 34 | 3 |
| 15A81A05F5 | R13207 | MATHEMATICS-II (MM) | 25 | 48 | 3 |
| 15A81A05F5 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 24 | 56 | 3 |
| 15A81A05F5 | R13209 | ENGG. DRAWING | 27 | 30 | 3 |
| 15A81A05F5 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 44 | 2 |
| 15A81A05F5 | R13214 | ENGINEERING PHYSICS LAB | 23 | 33 | 2 |
| 15A81A05F5 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 19 | 41 | 2 |
| 15A81A05F6 | R13201 | ENGLISH-II | 20 | 38 | 3 |
| 15A81A05F6 | R13202 | MATHEMATICS-III | 25 | 60 | 3 |
| 15A81A05F6 | R13203 | ENGG. PHYSICS | 22 | 55 | 3 |
| 15A81A05F6 | R13207 | MATHEMATICS-II (MM) | 24 | 55 | 3 |
| 15A81A05F6 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 22 | 47 | 3 |
| 15A81A05F6 | R13209 | ENGG. DRAWING | 27 | 29 | 3 |
| 15A81A05F6 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 45 | 2 |
| 15A81A05F6 | R13214 | ENGINEERING PHYSICS LAB | 21 | 36 | 2 |
| 15A81A05F6 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 22 | 46 | 2 |
| 15A81A05F7 | R13201 | ENGLISH-II | 18 | 30 | 3 |
| 15A81A05F7 | R13202 | MATHEMATICS-III | 20 | 14 | 0 |
| 15A81A05F7 | R13203 | ENGG. PHYSICS | 14 | 2 | 0 |
| 15A81A05F7 | R13207 | MATHEMATICS-II (MM) | 18 | 24 | 3 |
| 15A81A05F7 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 20 | 25 | 3 |
| 15A81A05F7 | R13209 | ENGG. DRAWING | 27 | 0 | 0 |
| 15A81A05F7 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 42 | 2 |
| 15A81A05F7 | R13214 | ENGINEERING PHYSICS LAB | 19 | 38 | 2 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A05F7 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 22 | 43 | 2 |
| 15A81A05F8 | R13201 | ENGLISH-II | 28 | 46 | 3 |
| 15A81A05F8 | R13202 | MATHEMATICS-III | 30 | 55 | 3 |
| 15A81A05F8 | R13203 | ENGG. PHYSICS | 25 | 51 | 3 |
| 15A81A05F8 | R13207 | MATHEMATICS-II (MM) | 30 | 52 | 3 |
| 15A81A05F8 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 29 | 42 | 3 |
| 15A81A05F8 | R13209 | ENGG. DRAWING | 30 | 66 | 3 |
| 15A81A05F8 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 23 | 46 | 2 |
| 15A81A05F8 | R13214 | ENGINEERING PHYSICS LAB | 25 | 48 | 2 |
| 15A81A05F8 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 24 | 48 | 2 |
| 15A81A05F9 | R13201 | ENGLISH-II | 24 | 36 | 3 |
| 15A81A05F9 | R13202 | MATHEMATICS-III | 21 | 24 | 3 |
| 15A81A05F9 | R13203 | ENGG. PHYSICS | 22 | 29 | 3 |
| 15A81A05F9 | R13207 | MATHEMATICS-II (MM) | 27 | 30 | 3 |
| 15A81A05F9 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 27 | 45 | 3 |
| 15A81A05F9 | R13209 | ENGG. DRAWING | 26 | 24 | 3 |
| 15A81A05F9 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 44 | 2 |
| 15A81A05F9 | R13214 | ENGINEERING PHYSICS LAB | 24 | 38 | 2 |
| 15A81A05F9 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 23 | 46 | 2 |
| 15A81A05G0 | R13201 | ENGLISH-II | 26 | 55 | 3 |
| 15A81A05G0 | R13202 | MATHEMATICS-III | 22 | 47 | 3 |
| 15A81A05G0 | R13203 | ENGG. PHYSICS | 25 | 41 | 3 |
| 15A81A05G0 | R13207 | MATHEMATICS-II (MM) | 24 | 45 | 3 |
| 15A81A05G0 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 27 | 45 | 3 |
| 15A81A05G0 | R13209 | ENGG. DRAWING | 29 | 24 | 3 |
| 15A81A05G0 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 45 | 2 |
| 15A81A05G0 | R13214 | ENGINEERING PHYSICS LAB | 22 | 38 | 2 |
| 15A81A05G0 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 22 | 43 | 2 |
| 15A81A05G1 | R13201 | ENGLISH-II | 20 | 25 | 3 |
| 15A81A05G1 | R13202 | MATHEMATICS-III | 20 | 15 | 0 |
| 15A81A05G1 | R13203 | ENGG. PHYSICS | 11 | 1 | 0 |
| 15A81A05G1 | R13207 | MATHEMATICS-II (MM) | 16 | 7 | 0 |
| 15A81A05G1 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 22 | 16 | 0 |
| 15A81A05G1 | R13209 | ENGG. DRAWING | 21 | -1 | 0 |
| 15A81A05G1 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 40 | 2 |
| 15A81A05G1 | R13214 | ENGINEERING PHYSICS LAB | 13 | 24 | 2 |
| 15A81A05G1 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 17 | 37 | 2 |
| 15A81A05G2 | R13201 | ENGLISH-II | 27 | 46 | 3 |
| 15A81A05G2 | R13202 | MATHEMATICS-III | 29 | 40 | 3 |
| 15A81A05G2 | R13203 | ENGG. PHYSICS | 26 | 41 | 3 |
| 15A81A05G2 | R13207 | MATHEMATICS-II (MM) | 27 | 54 | 3 |
| 15A81A05G2 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 27 | 41 | 3 |
| 15A81A05G2 | R13209 | ENGG. DRAWING | 30 | 40 | 3 |
| 15A81A05G2 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 24 | 48 | 2 |
| 15A81A05G2 | R13214 | ENGINEERING PHYSICS LAB | 23 | 44 | 2 |
| 15A81A05G2 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 24 | 47 | 2 |
| 15A81A05G3 | R13201 | ENGLISH-II | 23 | 38 | 3 |
| 15A81A05G3 | R13202 | MATHEMATICS-III | 23 | 24 | 3 |
| 15A81A05G3 | R13203 | ENGG. PHYSICS | 17 | 29 | 3 |
| 15A81A05G3 | R13207 | MATHEMATICS-II (MM) | 16 | 29 | 3 |
| 15A81A05G3 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 22 | 39 | 3 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A05G3 | R13209 | ENGG. DRAWING | 27 | 24 | 3 |
| 15A81A05G3 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 19 | 39 | 2 |
| 15A81A05G3 | R13214 | ENGINEERING PHYSICS LAB | 18 | 32 | 2 |
| 15A81A05G3 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 20 | 41 | 2 |
| 15A81A05G4 | R13201 | ENGLISH-II | 19 | 38 | 3 |
| 15A81A05G4 | R13202 | MATHEMATICS-III | 26 | 47 | 3 |
| 15A81A05G4 | R13203 | ENGG. PHYSICS | 28 | 64 | 3 |
| 15A81A05G4 | R13207 | MATHEMATICS-II (MM) | 24 | 42 | 3 |
| 15A81A05G4 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 23 | 48 | 3 |
| 15A81A05G4 | R13209 | ENGG. DRAWING | 25 | 28 | 3 |
| 15A81A05G4 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 23 | 43 | 2 |
| 15A81A05G4 | R13214 | ENGINEERING PHYSICS LAB | 22 | 41 | 2 |
| 15A81A05G4 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 21 | 41 | 2 |
| 15A81A05G5 | R13201 | ENGLISH-II | 20 | 34 | 3 |
| 15A81A05G5 | R13202 | MATHEMATICS-III | 17 | 16 | 0 |
| 15A81A05G5 | R13203 | ENGG. PHYSICS | 11 | 1 | 0 |
| 15A81A05G5 | R13207 | MATHEMATICS-II (MM) | 16 | 24 | 3 |
| 15A81A05G5 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 22 | 27 | 3 |
| 15A81A05G5 | R13209 | ENGG. DRAWING | 23 | 0 | 0 |
| 15A81A05G5 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 42 | 2 |
| 15A81A05G5 | R13214 | ENGINEERING PHYSICS LAB | 22 | 39 | 2 |
| 15A81A05G5 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 20 | 39 | 2 |
| 15A81A05G6 | R13201 | ENGLISH-II | 23 | 27 | 3 |
| 15A81A05G6 | R13202 | MATHEMATICS-III | 25 | 32 | 3 |
| 15A81A05G6 | R13203 | ENGG. PHYSICS | 25 | 7 | 0 |
| 15A81A05G6 | R13207 | MATHEMATICS-II (MM) | 25 | 15 | 0 |
| 15A81A05G6 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 27 | 44 | 3 |
| 15A81A05G6 | R13209 | ENGG. DRAWING | 29 | 29 | 3 |
| 15A81A05G6 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 43 | 2 |
| 15A81A05G6 | R13214 | ENGINEERING PHYSICS LAB | 24 | 42 | 2 |
| 15A81A05G6 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 21 | 41 | 2 |
| 15A81A05G7 | R13201 | ENGLISH-II | 22 | 28 | 3 |
| 15A81A05G7 | R13202 | MATHEMATICS-III | 16 | 3 | 0 |
| 15A81A05G7 | R13203 | ENGG. PHYSICS | 15 | 6 | 0 |
| 15A81A05G7 | R13207 | MATHEMATICS-II (MM) | 16 | 9 | 0 |
| 15A81A05G7 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 22 | 46 | 3 |
| 15A81A05G7 | R13209 | ENGG. DRAWING | 22 | 0 | 0 |
| 15A81A05G7 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 18 | 39 | 2 |
| 15A81A05G7 | R13214 | ENGINEERING PHYSICS LAB | 14 | 42 | 2 |
| 15A81A05G7 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 10 | 32 | 2 |
| 15A81A05G8 | R13201 | ENGLISH-II | 27 | 31 | 3 |
| 15A81A05G8 | R13202 | MATHEMATICS-III | 18 | 24 | 3 |
| 15A81A05G8 | R13203 | ENGG. PHYSICS | 20 | 34 | 3 |
| 15A81A05G8 | R13207 | MATHEMATICS-II (MM) | 21 | 32 | 3 |
| 15A81A05G8 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 26 | 27 | 3 |
| 15A81A05G8 | R13209 | ENGG. DRAWING | 27 | 26 | 3 |
| 15A81A05G8 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 48 | 2 |
| 15A81A05G8 | R13214 | ENGINEERING PHYSICS LAB | 21 | 44 | 2 |
| 15A81A05G8 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 20 | 42 | 2 |
| 15A81A05G9 | R13201 | ENGLISH-II | 23 | 45 | 3 |
| 15A81A05G9 | R13202 | MATHEMATICS-III | 24 | 32 | 3 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A05G9 | R13203 | ENGG. PHYSICS | 19 | 35 | 3 |
| 15A81A05G9 | R13207 | MATHEMATICS-II (MM) | 27 | 42 | 3 |
| 15A81A05G9 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 26 | 35 | 3 |
| 15A81A05G9 | R13209 | ENGG. DRAWING | 26 | 9 | 0 |
| 15A81A05G9 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 23 | 42 | 2 |
| 15A81A05G9 | R13214 | ENGINEERING PHYSICS LAB | 23 | 47 | 2 |
| 15A81A05G9 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 23 | 44 | 2 |
| 15A81A05H0 | R13201 | ENGLISH-II | 26 | 49 | 3 |
| 15A81A05H0 | R13202 | MATHEMATICS-III | 29 | 47 | 3 |
| 15A81A05H0 | R13203 | ENGG. PHYSICS | 22 | 40 | 3 |
| 15A81A05H0 | R13207 | MATHEMATICS-II (MM) | 26 | 38 | 3 |
| 15A81A05H0 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 27 | 36 | 3 |
| 15A81A05H0 | R13209 | ENGG. DRAWING | 29 | 41 | 3 |
| 15A81A05H0 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 23 | 44 | 2 |
| 15A81A05H0 | R13214 | ENGINEERING PHYSICS LAB | 23 | 48 | 2 |
| 15A81A05H0 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 21 | 42 | 2 |
| 15A81A05H1 | R13201 | ENGLISH-II | 21 | 45 | 3 |
| 15A81A05H1 | R13202 | MATHEMATICS-III | 27 | 56 | 3 |
| 15A81A05H1 | R13203 | ENGG. PHYSICS | 20 | 30 | 3 |
| 15A81A05H1 | R13207 | MATHEMATICS-II (MM) | 26 | 41 | 3 |
| 15A81A05H1 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 23 | 51 | 3 |
| 15A81A05H1 | R13209 | ENGG. DRAWING | 26 | 30 | 3 |
| 15A81A05H1 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 41 | 2 |
| 15A81A05H1 | R13214 | ENGINEERING PHYSICS LAB | 23 | 30 | 2 |
| 15A81A05H1 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 21 | 44 | 2 |
| 15A81A05H2 | R13201 | ENGLISH-II | 24 | 42 | 3 |
| 15A81A05H2 | R13202 | MATHEMATICS-III | 22 | 2 | 0 |
| 15A81A05H2 | R13203 | ENGG. PHYSICS | 16 | 42 | 3 |
| 15A81A05H2 | R13207 | MATHEMATICS-II (MM) | 18 | 16 | 0 |
| 15A81A05H2 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 26 | 45 | 3 |
| 15A81A05H2 | R13209 | ENGG. DRAWING | 25 | 9 | 0 |
| 15A81A05H2 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 42 | 2 |
| 15A81A05H2 | R13214 | ENGINEERING PHYSICS LAB | 20 | 37 | 2 |
| 15A81A05H2 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 22 | 42 | 2 |
| 15A81A05H3 | R13201 | ENGLISH-II | 24 | 38 | 3 |
| 15A81A05H3 | R13202 | MATHEMATICS-III | 26 | 29 | 3 |
| 15A81A05H3 | R13203 | ENGG. PHYSICS | 26 | 24 | 3 |
| 15A81A05H3 | R13207 | MATHEMATICS-II (MM) | 28 | 44 | 3 |
| 15A81A05H3 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 29 | 37 | 3 |
| 15A81A05H3 | R13209 | ENGG. DRAWING | 30 | 35 | 3 |
| 15A81A05H3 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 46 | 2 |
| 15A81A05H3 | R13214 | ENGINEERING PHYSICS LAB | 22 | 43 | 2 |
| 15A81A05H3 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 21 | 40 | 2 |
| 15A81A05H4 | R13201 | ENGLISH-II | 17 | 34 | 3 |
| 15A81A05H4 | R13202 | MATHEMATICS-III | 17 | 26 | 3 |
| 15A81A05H4 | R13203 | ENGG. PHYSICS | 12 | 13 | 0 |
| 15A81A05H4 | R13207 | MATHEMATICS-II (MM) | 19 | 24 | 3 |
| 15A81A05H4 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 23 | 35 | 3 |
| 15A81A05H4 | R13209 | ENGG. DRAWING | 24 | 39 | 3 |
| 15A81A05H4 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 19 | 41 | 2 |
| 15A81A05H4 | R13214 | ENGINEERING PHYSICS LAB | 21 | 37 | 2 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A05H4 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 20 | 39 | 2 |
| 15A81A05H5 | R13201 | ENGLISH-II | 25 | 36 | 3 |
| 15A81A05H5 | R13202 | MATHEMATICS-III | 17 | 4 | 0 |
| 15A81A05H5 | R13203 | ENGG. PHYSICS | 14 | 30 | 3 |
| 15A81A05H5 | R13207 | MATHEMATICS-II (MM) | 18 | 14 | 0 |
| 15A81A05H5 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 22 | 36 | 3 |
| 15A81A05H5 | R13209 | ENGG. DRAWING | 21 | 8 | 0 |
| 15A81A05H5 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 45 | 2 |
| 15A81A05H5 | R13214 | ENGINEERING PHYSICS LAB | 20 | 36 | 2 |
| 15A81A05H5 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 23 | 44 | 2 |
| 15A81A05H6 | R13201 | ENGLISH-II | 22 | 19 | 0 |
| 15A81A05H6 | R13202 | MATHEMATICS-III | 16 | 1 | 0 |
| 15A81A05H6 | R13203 | ENGG. PHYSICS | 12 | 3 | 0 |
| 15A81A05H6 | R13207 | MATHEMATICS-II (MM) | 16 | 5 | 0 |
| 15A81A05H6 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 22 | 26 | 3 |
| 15A81A05H6 | R13209 | ENGG. DRAWING | 24 | 0 | 0 |
| 15A81A05H6 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 42 | 2 |
| 15A81A05H6 | R13214 | ENGINEERING PHYSICS LAB | 19 | 32 | 2 |
| 15A81A05H6 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 18 | 36 | 2 |
| 15A81A05H7 | R13201 | ENGLISH-II | 24 | 35 | 3 |
| 15A81A05H7 | R13202 | MATHEMATICS-III | 21 | 12 | 0 |
| 15A81A05H7 | R13203 | ENGG. PHYSICS | 22 | 25 | 3 |
| 15A81A05H7 | R13207 | MATHEMATICS-II (MM) | 17 | 33 | 3 |
| 15A81A05H7 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 22 | 5 | 0 |
| 15A81A05H7 | R13209 | ENGG. DRAWING | 22 | 0 | 0 |
| 15A81A05H7 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 43 | 2 |
| 15A81A05H7 | R13214 | ENGINEERING PHYSICS LAB | 16 | 26 | 2 |
| 15A81A05H7 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 20 | 39 | 2 |
| 15A81A05H8 | R13201 | ENGLISH-II | 23 | 39 | 3 |
| 15A81A05H8 | R13202 | MATHEMATICS-III | 17 | 5 | 0 |
| 15A81A05H8 | R13203 | ENGG. PHYSICS | 18 | 6 | 0 |
| 15A81A05H8 | R13207 | MATHEMATICS-II (MM) | 23 | 26 | 3 |
| 15A81A05H8 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 23 | 34 | 3 |
| 15A81A05H8 | R13209 | ENGG. DRAWING | 25 | 24 | 3 |
| 15A81A05H8 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 41 | 2 |
| 15A81A05H8 | R13214 | ENGINEERING PHYSICS LAB | 21 | 46 | 2 |
| 15A81A05H8 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 24 | 42 | 2 |
| 15A81A05H9 | R13201 | ENGLISH-II | 24 | 27 | 3 |
| 15A81A05H9 | R13202 | MATHEMATICS-III | 24 | 26 | 3 |
| 15A81A05H9 | R13203 | ENGG. PHYSICS | 18 | 30 | 3 |
| 15A81A05H9 | R13207 | MATHEMATICS-II (MM) | 24 | 16 | 0 |
| 15A81A05H9 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 24 | 53 | 3 |
| 15A81A05H9 | R13209 | ENGG. DRAWING | 23 | 8 | 0 |
| 15A81A05H9 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 38 | 2 |
| 15A81A05H9 | R13214 | ENGINEERING PHYSICS LAB | 19 | 42 | 2 |
| 15A81A05H9 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 19 | 40 | 2 |
| 15A81A05I0 | R13201 | ENGLISH-II | 25 | 46 | 3 |
| 15A81A05I0 | R13202 | MATHEMATICS-III | 28 | 58 | 3 |
| 15A81A05I0 | R13203 | ENGG. PHYSICS | 28 | 47 | 3 |
| 15A81A05I0 | R13207 | MATHEMATICS-II (MM) | 26 | 56 | 3 |
| 15A81A05I0 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 26 | 49 | 3 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A05I0 | R13209 | ENGG. DRAWING | 28 | 37 | 3 |
| 15A81A05I0 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 24 | 48 | 2 |
| 15A81A05I0 | R13214 | ENGINEERING PHYSICS LAB | 24 | 49 | 2 |
| 15A81A05I0 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 21 | 45 | 2 |
| 15A81A05I1 | R13201 | ENGLISH-II | 26 | 36 | 3 |
| 15A81A05I1 | R13202 | MATHEMATICS-III | 29 | 53 | 3 |
| 15A81A05I1 | R13203 | ENGG. PHYSICS | 27 | 35 | 3 |
| 15A81A05I1 | R13207 | MATHEMATICS-II (MM) | 30 | 49 | 3 |
| 15A81A05I1 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 28 | 33 | 3 |
| 15A81A05I1 | R13209 | ENGG. DRAWING | 30 | 35 | 3 |
| 15A81A05I1 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 47 | 2 |
| 15A81A05I1 | R13214 | ENGINEERING PHYSICS LAB | 25 | 50 | 2 |
| 15A81A05I1 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 20 | 46 | 2 |
| 15A81A05I2 | R13201 | ENGLISH-II | 19 | 28 | 3 |
| 15A81A05I2 | R13202 | MATHEMATICS-III | 18 | 6 | 0 |
| 15A81A05I2 | R13203 | ENGG. PHYSICS | 21 | 24 | 3 |
| 15A81A05I2 | R13207 | MATHEMATICS-II (MM) | 19 | 8 | 0 |
| 15A81A05I2 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 21 | 28 | 3 |
| 15A81A05I2 | R13209 | ENGG. DRAWING | 22 | 10 | 0 |
| 15A81A05I2 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 37 | 2 |
| 15A81A05I2 | R13214 | ENGINEERING PHYSICS LAB | 18 | 45 | 2 |
| 15A81A05I2 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 17 | 41 | 2 |
| 15A81A05I3 | R13201 | ENGLISH-II | 23 | 44 | 3 |
| 15A81A05I3 | R13202 | MATHEMATICS-III | 25 | 46 | 3 |
| 15A81A05I3 | R13203 | ENGG. PHYSICS | 26 | 36 | 3 |
| 15A81A05I3 | R13207 | MATHEMATICS-II (MM) | 23 | 39 | 3 |
| 15A81A05I3 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 27 | 54 | 3 |
| 15A81A05I3 | R13209 | ENGG. DRAWING | 25 | 39 | 3 |
| 15A81A05I3 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 44 | 2 |
| 15A81A05I3 | R13214 | ENGINEERING PHYSICS LAB | 20 | 46 | 2 |
| 15A81A05I3 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 21 | 43 | 2 |
| 15A81A05I4 | R13201 | ENGLISH-II | 26 | 43 | 3 |
| 15A81A05I4 | R13202 | MATHEMATICS-III | 28 | 34 | 3 |
| 15A81A05I4 | R13203 | ENGG. PHYSICS | 28 | 9 | 0 |
| 15A81A05I4 | R13207 | MATHEMATICS-II (MM) | 27 | 56 | 3 |
| 15A81A05I4 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 27 | 48 | 3 |
| 15A81A05I4 | R13209 | ENGG. DRAWING | 26 | 28 | 3 |
| 15A81A05I4 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 45 | 2 |
| 15A81A05I4 | R13214 | ENGINEERING PHYSICS LAB | 25 | 47 | 2 |
| 15A81A05I4 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 22 | 42 | 2 |
| 15A81A05I5 | R13201 | ENGLISH-II | 24 | 36 | 3 |
| 15A81A05I5 | R13202 | MATHEMATICS-III | 28 | 55 | 3 |
| 15A81A05I5 | R13203 | ENGG. PHYSICS | 28 | 35 | 3 |
| 15A81A05I5 | R13207 | MATHEMATICS-II (MM) | 28 | 59 | 3 |
| 15A81A05I5 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 27 | 31 | 3 |
| 15A81A05I5 | R13209 | ENGG. DRAWING | 29 | 37 | 3 |
| 15A81A05I5 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 48 | 2 |
| 15A81A05I5 | R13214 | ENGINEERING PHYSICS LAB | 25 | 50 | 2 |
| 15A81A05I5 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 22 | 43 | 2 |
| 15A81A05I6 | R13201 | ENGLISH-II | 22 | 36 | 3 |
| 15A81A05I6 | R13202 | MATHEMATICS-III | 23 | 13 | 0 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A05I6 | R13203 | ENGG. PHYSICS | 24 | 24 | 3 |
| 15A81A05I6 | R13207 | MATHEMATICS-II (MM) | 20 | 8 | 0 |
| 15A81A05I6 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 25 | 41 | 3 |
| 15A81A05I6 | R13209 | ENGG. DRAWING | 25 | 7 | 0 |
| 15A81A05I6 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 42 | 2 |
| 15A81A05I6 | R13214 | ENGINEERING PHYSICS LAB | 21 | 43 | 2 |
| 15A81A05I6 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 21 | 37 | 2 |
| 15A81A05I7 | R13201 | ENGLISH-II | 23 | 26 | 3 |
| 15A81A05I7 | R13202 | MATHEMATICS-III | 20 | 3 | 0 |
| 15A81A05I7 | R13203 | ENGG. PHYSICS | 13 | 4 | 0 |
| 15A81A05I7 | R13207 | MATHEMATICS-II (MM) | 14 | 11 | 0 |
| 15A81A05I7 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 17 | 38 | 3 |
| 15A81A05I7 | R13209 | ENGG. DRAWING | 15 | 0 | 0 |
| 15A81A05I7 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 36 | 2 |
| 15A81A05I7 | R13214 | ENGINEERING PHYSICS LAB | 18 | 42 | 2 |
| 15A81A05I7 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 19 | 33 | 2 |
| 15A81A05I8 | R13201 | ENGLISH-II | 21 | 35 | 3 |
| 15A81A05I8 | R13202 | MATHEMATICS-III | 17 | 35 | 3 |
| 15A81A05I8 | R13203 | ENGG. PHYSICS | 21 | 2 | 0 |
| 15A81A05I8 | R13207 | MATHEMATICS-II (MM) | 19 | 25 | 3 |
| 15A81A05I8 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 25 | 40 | 3 |
| 15A81A05I8 | R13209 | ENGG. DRAWING | 18 | 7 | 0 |
| 15A81A05I8 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 18 | 42 | 2 |
| 15A81A05I8 | R13214 | ENGINEERING PHYSICS LAB | 19 | 41 | 2 |
| 15A81A05I8 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 19 | 37 | 2 |
| 15A81A05I9 | R13201 | ENGLISH-II | 24 | 33 | 3 |
| 15A81A05I9 | R13202 | MATHEMATICS-III | 23 | 39 | 3 |
| 15A81A05I9 | R13203 | ENGG. PHYSICS | 28 | 24 | 3 |
| 15A81A05I9 | R13207 | MATHEMATICS-II (MM) | 20 | 36 | 3 |
| 15A81A05I9 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 25 | 28 | 3 |
| 15A81A05I9 | R13209 | ENGG. DRAWING | 27 | 8 | 0 |
| 15A81A05I9 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 42 | 2 |
| 15A81A05I9 | R13214 | ENGINEERING PHYSICS LAB | 22 | 47 | 2 |
| 15A81A05I9 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 21 | 41 | 2 |
| 15A81A05J0 | R13201 | ENGLISH-II | 25 | 45 | 3 |
| 15A81A05J0 | R13202 | MATHEMATICS-III | 28 | 44 | 3 |
| 15A81A05J0 | R13203 | ENGG. PHYSICS | 26 | 24 | 3 |
| 15A81A05J0 | R13207 | MATHEMATICS-II (MM) | 25 | 49 | 3 |
| 15A81A05J0 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 29 | 42 | 3 |
| 15A81A05J0 | R13209 | ENGG. DRAWING | 25 | 24 | 3 |
| 15A81A05J0 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 46 | 2 |
| 15A81A05J0 | R13214 | ENGINEERING PHYSICS LAB | 25 | 48 | 2 |
| 15A81A05J0 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 20 | 44 | 2 |
| 15A81A05J1 | R13201 | ENGLISH-II | 21 | 37 | 3 |
| 15A81A05J1 | R13202 | MATHEMATICS-III | 21 | 6 | 0 |
| 15A81A05J1 | R13203 | ENGG. PHYSICS | 13 | 10 | 0 |
| 15A81A05J1 | R13207 | MATHEMATICS-II (MM) | 23 | 8 | 0 |
| 15A81A05J1 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 26 | 59 | 3 |
| 15A81A05J1 | R13209 | ENGG. DRAWING | 13 | 1 | 0 |
| 15A81A05J1 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 19 | 45 | 2 |
| 15A81A05J1 | R13214 | ENGINEERING PHYSICS LAB | 12 | 34 | 2 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A05J1 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 17 | 38 | 2 |
| 15A81A05J2 | R13201 | ENGLISH-II | 24 | 37 | 3 |
| 15A81A05J2 | R13202 | MATHEMATICS-III | 20 | 1 | 0 |
| 15A81A05J2 | R13203 | ENGG. PHYSICS | 21 | 1 | 0 |
| 15A81A05J2 | R13207 | MATHEMATICS-II (MM) | 22 | 5 | 0 |
| 15A81A05J2 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 26 | 40 | 3 |
| 15A81A05J2 | R13209 | ENGG. DRAWING | 29 | 6 | 0 |
| 15A81A05J2 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 46 | 2 |
| 15A81A05J2 | R13214 | ENGINEERING PHYSICS LAB | 18 | 40 | 2 |
| 15A81A05J2 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 19 | 39 | 2 |
| 15A81A05J3 | R13201 | ENGLISH-II | 22 | 34 | 3 |
| 15A81A05J3 | R13202 | MATHEMATICS-III | 10 | 0 | 0 |
| 15A81A05J3 | R13203 | ENGG. PHYSICS | 22 | 8 | 0 |
| 15A81A05J3 | R13207 | MATHEMATICS-II (MM) | 17 | -1 | 0 |
| 15A81A05J3 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 17 | 24 | 3 |
| 15A81A05J3 | R13209 | ENGG. DRAWING | 27 | 10 | 0 |
| 15A81A05J3 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 46 | 2 |
| 15A81A05J3 | R13214 | ENGINEERING PHYSICS LAB | 14 | 43 | 2 |
| 15A81A05J3 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 18 | 40 | 2 |
| 15A81A05J4 | R13201 | ENGLISH-II | 26 | 56 | 3 |
| 15A81A05J4 | R13202 | MATHEMATICS-III | 25 | 39 | 3 |
| 15A81A05J4 | R13203 | ENGG. PHYSICS | 26 | 31 | 3 |
| 15A81A05J4 | R13207 | MATHEMATICS-II (MM) | 28 | 37 | 3 |
| 15A81A05J4 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 26 | 44 | 3 |
| 15A81A05J4 | R13209 | ENGG. DRAWING | 28 | 51 | 3 |
| 15A81A05J4 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 23 | 48 | 2 |
| 15A81A05J4 | R13214 | ENGINEERING PHYSICS LAB | 25 | 47 | 2 |
| 15A81A05J4 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 20 | 44 | 2 |
| 15A81A05J5 | R13201 | ENGLISH-II | 27 | 54 | 3 |
| 15A81A05J5 | R13202 | MATHEMATICS-III | 28 | 57 | 3 |
| 15A81A05J5 | R13203 | ENGG. PHYSICS | 28 | 41 | 3 |
| 15A81A05J5 | R13207 | MATHEMATICS-II (MM) | 28 | 54 | 3 |
| 15A81A05J5 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 28 | 59 | 3 |
| 15A81A05J5 | R13209 | ENGG. DRAWING | 30 | 47 | 3 |
| 15A81A05J5 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 24 | 48 | 2 |
| 15A81A05J5 | R13214 | ENGINEERING PHYSICS LAB | 25 | 50 | 2 |
| 15A81A05J5 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 22 | 46 | 2 |
| 15A81A05J6 | R13201 | ENGLISH-II | 23 | 46 | 3 |
| 15A81A05J6 | R13202 | MATHEMATICS-III | 26 | 32 | 3 |
| 15A81A05J6 | R13203 | ENGG. PHYSICS | 28 | 38 | 3 |
| 15A81A05J6 | R13207 | MATHEMATICS-II (MM) | 25 | 49 | 3 |
| 15A81A05J6 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 25 | 50 | 3 |
| 15A81A05J6 | R13209 | ENGG. DRAWING | 27 | 43 | 3 |
| 15A81A05J6 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 42 | 2 |
| 15A81A05J6 | R13214 | ENGINEERING PHYSICS LAB | 24 | 45 | 2 |
| 15A81A05J6 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 20 | 43 | 2 |
| 15A81A05J7 | R13201 | ENGLISH-II | 20 | 25 | 3 |
| 15A81A05J7 | R13202 | MATHEMATICS-III | 14 | 29 | 3 |
| 15A81A05J7 | R13203 | ENGG. PHYSICS | 18 | 3 | 0 |
| 15A81A05J7 | R13207 | MATHEMATICS-II (MM) | 12 | 0 | 0 |
| 15A81A05J7 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 20 | 12 | 0 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A05J7 | R13209 | ENGG. DRAWING | 23 | 6 | 0 |
| 15A81A05J7 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 45 | 2 |
| 15A81A05J7 | R13214 | ENGINEERING PHYSICS LAB | 20 | 46 | 2 |
| 15A81A05J7 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 21 | 41 | 2 |
| 15A81A05J8 | R13201 | ENGLISH-II | 21 | 37 | 3 |
| 15A81A05J8 | R13202 | MATHEMATICS-III | 14 | 7 | 0 |
| 15A81A05J8 | R13203 | ENGG. PHYSICS | 19 | 1 | 0 |
| 15A81A05J8 | R13207 | MATHEMATICS-II (MM) | 15 | 9 | 0 |
| 15A81A05J8 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 17 | 33 | 3 |
| 15A81A05J8 | R13209 | ENGG. DRAWING | 22 | 4 | 0 |
| 15A81A05J8 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 18 | 42 | 2 |
| 15A81A05J8 | R13214 | ENGINEERING PHYSICS LAB | 16 | 37 | 2 |
| 15A81A05J8 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 18 | 37 | 2 |
| 15A81A05J9 | R13201 | ENGLISH-II | 23 | 36 | 3 |
| 15A81A05J9 | R13202 | MATHEMATICS-III | 27 | 48 | 3 |
| 15A81A05J9 | R13203 | ENGG. PHYSICS | 24 | 29 | 3 |
| 15A81A05J9 | R13207 | MATHEMATICS-II (MM) | 25 | 41 | 3 |
| 15A81A05J9 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 21 | 47 | 3 |
| 15A81A05J9 | R13209 | ENGG. DRAWING | 30 | 7 | 0 |
| 15A81A05J9 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 42 | 2 |
| 15A81A05J9 | R13214 | ENGINEERING PHYSICS LAB | 24 | 46 | 2 |
| 15A81A05J9 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 22 | 40 | 2 |
| 15A81A05K0 | R13201 | ENGLISH-II | 27 | 49 | 3 |
| 15A81A05K0 | R13202 | MATHEMATICS-III | 30 | 38 | 3 |
| 15A81A05K0 | R13203 | ENGG. PHYSICS | 29 | 24 | 3 |
| 15A81A05K0 | R13207 | MATHEMATICS-II (MM) | 29 | 55 | 3 |
| 15A81A05K0 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 29 | 47 | 3 |
| 15A81A05K0 | R13209 | ENGG. DRAWING | 30 | 52 | 3 |
| 15A81A05K0 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 23 | 47 | 2 |
| 15A81A05K0 | R13214 | ENGINEERING PHYSICS LAB | 25 | 50 | 2 |
| 15A81A05K0 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 23 | 45 | 2 |
| 15A81A05K1 | R13201 | ENGLISH-II | 25 | 43 | 3 |
| 15A81A05K1 | R13202 | MATHEMATICS-III | 26 | 43 | 3 |
| 15A81A05K1 | R13203 | ENGG. PHYSICS | 27 | 49 | 3 |
| 15A81A05K1 | R13207 | MATHEMATICS-II (MM) | 27 | 53 | 3 |
| 15A81A05K1 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 27 | 27 | 3 |
| 15A81A05K1 | R13209 | ENGG. DRAWING | 29 | 48 | 3 |
| 15A81A05K1 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 23 | 47 | 2 |
| 15A81A05K1 | R13214 | ENGINEERING PHYSICS LAB | 25 | 49 | 2 |
| 15A81A05K1 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 20 | 43 | 2 |
| 15A81A05K2 | R13201 | ENGLISH-II | 26 | 51 | 3 |
| 15A81A05K2 | R13202 | MATHEMATICS-III | 27 | 40 | 3 |
| 15A81A05K2 | R13203 | ENGG. PHYSICS | 28 | 45 | 3 |
| 15A81A05K2 | R13207 | MATHEMATICS-II (MM) | 26 | 35 | 3 |
| 15A81A05K2 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 27 | 44 | 3 |
| 15A81A05K2 | R13209 | ENGG. DRAWING | 29 | 44 | 3 |
| 15A81A05K2 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 45 | 2 |
| 15A81A05K2 | R13214 | ENGINEERING PHYSICS LAB | 24 | 49 | 2 |
| 15A81A05K2 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 23 | 44 | 2 |
| 15A81A05K3 | R13201 | ENGLISH-II | 23 | 42 | 3 |
| 15A81A05K3 | R13202 | MATHEMATICS-III | 21 | 44 | 3 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A05K3 | R13203 | ENGG. PHYSICS | 24 | 15 | 0 |
| 15A81A05K3 | R13207 | MATHEMATICS-II (MM) | 23 | 49 | 3 |
| 15A81A05K3 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 25 | 68 | 3 |
| 15A81A05K3 | R13209 | ENGG. DRAWING | 23 | 24 | 3 |
| 15A81A05K3 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 47 | 2 |
| 15A81A05K3 | R13214 | ENGINEERING PHYSICS LAB | 17 | 45 | 2 |
| 15A81A05K3 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 22 | 42 | 2 |
| 15A81A05K4 | R13201 | ENGLISH-II | 19 | 39 | 3 |
| 15A81A05K4 | R13202 | MATHEMATICS-III | 19 | 29 | 3 |
| 15A81A05K4 | R13203 | ENGG. PHYSICS | 22 | 8 | 0 |
| 15A81A05K4 | R13207 | MATHEMATICS-II (MM) | 19 | 25 | 3 |
| 15A81A05K4 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 23 | 41 | 3 |
| 15A81A05K4 | R13209 | ENGG. DRAWING | 23 | 7 | 0 |
| 15A81A05K4 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 17 | 41 | 2 |
| 15A81A05K4 | R13214 | ENGINEERING PHYSICS LAB | 18 | 43 | 2 |
| 15A81A05K4 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 16 | 37 | 2 |
| 15A81A05K5 | R13201 | ENGLISH-II | 24 | 29 | 3 |
| 15A81A05K5 | R13202 | MATHEMATICS-III | 25 | 29 | 3 |
| 15A81A05K5 | R13203 | ENGG. PHYSICS | 22 | 24 | 3 |
| 15A81A05K5 | R13207 | MATHEMATICS-II (MM) | 26 | 34 | 3 |
| 15A81A05K5 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 19 | 11 | 0 |
| 15A81A05K5 | R13209 | ENGG. DRAWING | 30 | 44 | 3 |
| 15A81A05K5 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 43 | 2 |
| 15A81A05K5 | R13214 | ENGINEERING PHYSICS LAB | 18 | 43 | 2 |
| 15A81A05K5 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 18 | 41 | 2 |
| 15A81A05K6 | R13201 | ENGLISH-II | 25 | 42 | 3 |
| 15A81A05K6 | R13202 | MATHEMATICS-III | 27 | -1 | 0 |
| 15A81A05K6 | R13203 | ENGG. PHYSICS | 26 | 40 | 3 |
| 15A81A05K6 | R13207 | MATHEMATICS-II (MM) | 25 | 62 | 3 |
| 15A81A05K6 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 24 | 34 | 3 |
| 15A81A05K6 | R13209 | ENGG. DRAWING | 30 | 37 | 3 |
| 15A81A05K6 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 23 | 45 | 2 |
| 15A81A05K6 | R13214 | ENGINEERING PHYSICS LAB | 25 | 48 | 2 |
| 15A81A05K6 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 21 | 43 | 2 |
| 15A81A05K7 | R13201 | ENGLISH-II | 23 | 48 | 3 |
| 15A81A05K7 | R13202 | MATHEMATICS-III | 28 | 52 | 3 |
| 15A81A05K7 | R13203 | ENGG. PHYSICS | 26 | 34 | 3 |
| 15A81A05K7 | R13207 | MATHEMATICS-II (MM) | 29 | 47 | 3 |
| 15A81A05K7 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 26 | 58 | 3 |
| 15A81A05K7 | R13209 | ENGG. DRAWING | 30 | 25 | 3 |
| 15A81A05K7 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 45 | 2 |
| 15A81A05K7 | R13214 | ENGINEERING PHYSICS LAB | 24 | 49 | 2 |
| 15A81A05K7 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 23 | 44 | 2 |
| 15A81A05K8 | R13201 | ENGLISH-II | 26 | 46 | 3 |
| 15A81A05K8 | R13202 | MATHEMATICS-III | 25 | 35 | 3 |
| 15A81A05K8 | R13203 | ENGG. PHYSICS | 24 | 24 | 3 |
| 15A81A05K8 | R13207 | MATHEMATICS-II (MM) | 28 | 35 | 3 |
| 15A81A05K8 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 26 | 49 | 3 |
| 15A81A05K8 | R13209 | ENGG. DRAWING | 29 | 40 | 3 |
| 15A81A05K8 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 23 | 45 | 2 |
| 15A81A05K8 | R13214 | ENGINEERING PHYSICS LAB | 23 | 46 | 2 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A05K8 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 20 | 44 | 2 |
| 15A81A05K9 | R13201 | ENGLISH-II | 25 | 48 | 3 |
| 15A81A05K9 | R13202 | MATHEMATICS-III | 27 | 45 | 3 |
| 15A81A05K9 | R13203 | ENGG. PHYSICS | 29 | 49 | 3 |
| 15A81A05K9 | R13207 | MATHEMATICS-II (MM) | 28 | 60 | 3 |
| 15A81A05K9 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 29 | 39 | 3 |
| 15A81A05K9 | R13209 | ENGG. DRAWING | 30 | 44 | 3 |
| 15A81A05K9 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 23 | 48 | 2 |
| 15A81A05K9 | R13214 | ENGINEERING PHYSICS LAB | 25 | 50 | 2 |
| 15A81A05K9 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 22 | 46 | 2 |
| 15A81A05L0 | R13201 | ENGLISH-II | 25 | 47 | 3 |
| 15A81A05L0 | R13202 | MATHEMATICS-III | 26 | 41 | 3 |
| 15A81A05L0 | R13203 | ENGG. PHYSICS | 28 | 38 | 3 |
| 15A81A05L0 | R13207 | MATHEMATICS-II (MM) | 28 | 49 | 3 |
| 15A81A05L0 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 27 | 42 | 3 |
| 15A81A05L0 | R13209 | ENGG. DRAWING | 29 | 44 | 3 |
| 15A81A05L0 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 44 | 2 |
| 15A81A05L0 | R13214 | ENGINEERING PHYSICS LAB | 22 | 46 | 2 |
| 15A81A05L0 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 20 | 41 | 2 |
| 15A81A05L1 | R13201 | ENGLISH-II | 25 | 48 | 3 |
| 15A81A05L1 | R13202 | MATHEMATICS-III | 22 | 29 | 3 |
| 15A81A05L1 | R13203 | ENGG. PHYSICS | 25 | 28 | 3 |
| 15A81A05L1 | R13207 | MATHEMATICS-II (MM) | 19 | 29 | 3 |
| 15A81A05L1 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 28 | 62 | 3 |
| 15A81A05L1 | R13209 | ENGG. DRAWING | 17 | 28 | 3 |
| 15A81A05L1 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 43 | 2 |
| 15A81A05L1 | R13214 | ENGINEERING PHYSICS LAB | 22 | 44 | 2 |
| 15A81A05L1 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 21 | 39 | 2 |
| 15A81A05L2 | R13201 | ENGLISH-II | 23 | 36 | 3 |
| 15A81A05L2 | R13202 | MATHEMATICS-III | 23 | 31 | 3 |
| 15A81A05L2 | R13203 | ENGG. PHYSICS | 23 | 25 | 3 |
| 15A81A05L2 | R13207 | MATHEMATICS-II (MM) | 19 | 48 | 3 |
| 15A81A05L2 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 27 | 45 | 3 |
| 15A81A05L2 | R13209 | ENGG. DRAWING | 30 | 24 | 3 |
| 15A81A05L2 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 40 | 2 |
| 15A81A05L2 | R13214 | ENGINEERING PHYSICS LAB | 18 | 49 | 2 |
| 15A81A05L2 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 18 | 34 | 2 |
| 15A81A05L3 | R13201 | ENGLISH-II | 24 | 40 | 3 |
| 15A81A05L3 | R13202 | MATHEMATICS-III | 25 | 59 | 3 |
| 15A81A05L3 | R13203 | ENGG. PHYSICS | 29 | 47 | 3 |
| 15A81A05L3 | R13207 | MATHEMATICS-II (MM) | 24 | 47 | 3 |
| 15A81A05L3 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 25 | 24 | 3 |
| 15A81A05L3 | R13209 | ENGG. DRAWING | 30 | 40 | 3 |
| 15A81A05L3 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 23 | 46 | 2 |
| 15A81A05L3 | R13214 | ENGINEERING PHYSICS LAB | 23 | 47 | 2 |
| 15A81A05L3 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 19 | 43 | 2 |
| 15A81A05L4 | R13201 | ENGLISH-II | 26 | 50 | 3 |
| 15A81A05L4 | R13202 | MATHEMATICS-III | 17 | 5 | 0 |
| 15A81A05L4 | R13203 | ENGG. PHYSICS | 26 | 36 | 3 |
| 15A81A05L4 | R13207 | MATHEMATICS-II (MM) | 15 | 12 | 0 |
| 15A81A05L4 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 28 | 37 | 3 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A05L4 | R13209 | ENGG. DRAWING | 27 | 35 | 3 |
| 15A81A05L4 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 47 | 2 |
| 15A81A05L4 | R13214 | ENGINEERING PHYSICS LAB | 25 | 49 | 2 |
| 15A81A05L4 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 21 | 42 | 2 |
| 15A81A05L5 | R13201 | ENGLISH-II | 25 | 38 | 3 |
| 15A81A05L5 | R13202 | MATHEMATICS-III | 21 | 32 | 3 |
| 15A81A05L5 | R13203 | ENGG. PHYSICS | 21 | 35 | 3 |
| 15A81A05L5 | R13207 | MATHEMATICS-II (MM) | 19 | 37 | 3 |
| 15A81A05L5 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 27 | 39 | 3 |
| 15A81A05L5 | R13209 | ENGG. DRAWING | 23 | 24 | 3 |
| 15A81A05L5 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 44 | 2 |
| 15A81A05L5 | R13214 | ENGINEERING PHYSICS LAB | 19 | 45 | 2 |
| 15A81A05L5 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 14 | 39 | 2 |
| 15A81A05L6 | R13201 | ENGLISH-II | 26 | 44 | 3 |
| 15A81A05L6 | R13202 | MATHEMATICS-III | 24 | 35 | 3 |
| 15A81A05L6 | R13203 | ENGG. PHYSICS | 26 | 61 | 3 |
| 15A81A05L6 | R13207 | MATHEMATICS-II (MM) | 26 | 52 | 3 |
| 15A81A05L6 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 28 | 50 | 3 |
| 15A81A05L6 | R13209 | ENGG. DRAWING | 29 | 32 | 3 |
| 15A81A05L6 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 23 | 44 | 2 |
| 15A81A05L6 | R13214 | ENGINEERING PHYSICS LAB | 23 | 47 | 2 |
| 15A81A05L6 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 20 | 42 | 2 |
| 15A81A05L7 | R13201 | ENGLISH-II | 21 | 30 | 3 |
| 15A81A05L7 | R13202 | MATHEMATICS-III | 16 | 5 | 0 |
| 15A81A05L7 | R13203 | ENGG. PHYSICS | 19 | 3 | 0 |
| 15A81A05L7 | R13207 | MATHEMATICS-II (MM) | 19 | 7 | 0 |
| 15A81A05L7 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 23 | 15 | 0 |
| 15A81A05L7 | R13209 | ENGG. DRAWING | 24 | 8 | 0 |
| 15A81A05L7 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 41 | 2 |
| 15A81A05L7 | R13214 | ENGINEERING PHYSICS LAB | 18 | 47 | 2 |
| 15A81A05L7 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 16 | 36 | 2 |
| 15A81A05L8 | R13201 | ENGLISH-II | 25 | 45 | 3 |
| 15A81A05L8 | R13202 | MATHEMATICS-III | 23 | 25 | 3 |
| 15A81A05L8 | R13203 | ENGG. PHYSICS | 25 | 12 | 0 |
| 15A81A05L8 | R13207 | MATHEMATICS-II (MM) | 17 | 48 | 3 |
| 15A81A05L8 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 26 | 40 | 3 |
| 15A81A05L8 | R13209 | ENGG. DRAWING | 26 | 24 | 3 |
| 15A81A05L8 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 23 | 44 | 2 |
| 15A81A05L8 | R13214 | ENGINEERING PHYSICS LAB | 21 | 45 | 2 |
| 15A81A05L8 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 21 | 35 | 2 |
| 15A81A05L9 | R13201 | ENGLISH-II | 26 | 47 | 3 |
| 15A81A05L9 | R13202 | MATHEMATICS-III | 22 | 49 | 3 |
| 15A81A05L9 | R13203 | ENGG. PHYSICS | 25 | 34 | 3 |
| 15A81A05L9 | R13207 | MATHEMATICS-II (MM) | 28 | 33 | 3 |
| 15A81A05L9 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 27 | 59 | 3 |
| 15A81A05L9 | R13209 | ENGG. DRAWING | 28 | 38 | 3 |
| 15A81A05L9 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 23 | 43 | 2 |
| 15A81A05L9 | R13214 | ENGINEERING PHYSICS LAB | 24 | 48 | 2 |
| 15A81A05L9 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 20 | 39 | 2 |
| 15A81A05M0 | R13201 | ENGLISH-II | 26 | 45 | 3 |
| 15A81A05M0 | R13202 | MATHEMATICS-III | 29 | 45 | 3 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A05M0 | R13203 | ENGG. PHYSICS | 28 | 64 | 3 |
| 15A81A05M0 | R13207 | MATHEMATICS-II (MM) | 27 | 52 | 3 |
| 15A81A05M0 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 26 | 50 | 3 |
| 15A81A05M0 | R13209 | ENGG. DRAWING | 30 | 44 | 3 |
| 15A81A05M0 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 44 | 2 |
| 15A81A05M0 | R13214 | ENGINEERING PHYSICS LAB | 25 | 50 | 2 |
| 15A81A05M0 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 22 | 46 | 2 |
| 15A81A05M1 | R13201 | ENGLISH-II | 22 | 36 | 3 |
| 15A81A05M1 | R13202 | MATHEMATICS-III | 24 | 42 | 3 |
| 15A81A05M1 | R13203 | ENGG. PHYSICS | 22 | 7 | 0 |
| 15A81A05M1 | R13207 | MATHEMATICS-II (MM) | 21 | 47 | 3 |
| 15A81A05M1 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 23 | 12 | 0 |
| 15A81A05M1 | R13209 | ENGG. DRAWING | 29 | 42 | 3 |
| 15A81A05M1 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 23 | 46 | 2 |
| 15A81A05M1 | R13214 | ENGINEERING PHYSICS LAB | 21 | 45 | 2 |
| 15A81A05M1 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 20 | 40 | 2 |
| 15A81A05M2 | R13201 | ENGLISH-II | 21 | 38 | 3 |
| 15A81A05M2 | R13202 | MATHEMATICS-III | 23 | 43 | 3 |
| 15A81A05M2 | R13203 | ENGG. PHYSICS | 24 | 13 | 0 |
| 15A81A05M2 | R13207 | MATHEMATICS-II (MM) | 22 | 27 | 3 |
| 15A81A05M2 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 23 | 35 | 3 |
| 15A81A05M2 | R13209 | ENGG. DRAWING | 25 | 24 | 3 |
| 15A81A05M2 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 44 | 2 |
| 15A81A05M2 | R13214 | ENGINEERING PHYSICS LAB | 22 | 45 | 2 |
| 15A81A05M2 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 16 | 40 | 2 |
| 15A81A05M3 | R13201 | ENGLISH-II | 25 | 31 | 3 |
| 15A81A05M3 | R13202 | MATHEMATICS-III | 25 | 46 | 3 |
| 15A81A05M3 | R13203 | ENGG. PHYSICS | 23 | 31 | 3 |
| 15A81A05M3 | R13207 | MATHEMATICS-II (MM) | 19 | 25 | 3 |
| 15A81A05M3 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 21 | 45 | 3 |
| 15A81A05M3 | R13209 | ENGG. DRAWING | 23 | 33 | 3 |
| 15A81A05M3 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 18 | 42 | 2 |
| 15A81A05M3 | R13214 | ENGINEERING PHYSICS LAB | 17 | 41 | 2 |
| 15A81A05M3 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 14 | 40 | 2 |
| 15A81A05M4 | R13201 | ENGLISH-II | 25 | 45 | 3 |
| 15A81A05M4 | R13202 | MATHEMATICS-III | 17 | 33 | 3 |
| 15A81A05M4 | R13203 | ENGG. PHYSICS | 19 | 24 | 3 |
| 15A81A05M4 | R13207 | MATHEMATICS-II (MM) | 17 | 11 | 0 |
| 15A81A05M4 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 24 | 52 | 3 |
| 15A81A05M4 | R13209 | ENGG. DRAWING | 26 | 6 | 0 |
| 15A81A05M4 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 43 | 2 |
| 15A81A05M4 | R13214 | ENGINEERING PHYSICS LAB | 20 | 44 | 2 |
| 15A81A05M4 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 17 | 40 | 2 |
| 15A81A05M5 | R13201 | ENGLISH-II | 25 | 40 | 3 |
| 15A81A05M5 | R13202 | MATHEMATICS-III | 26 | 47 | 3 |
| 15A81A05M5 | R13203 | ENGG. PHYSICS | 27 | 41 | 3 |
| 15A81A05M5 | R13207 | MATHEMATICS-II (MM) | 26 | 58 | 3 |
| 15A81A05M5 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 26 | 30 | 3 |
| 15A81A05M5 | R13209 | ENGG. DRAWING | 30 | 35 | 3 |
| 15A81A05M5 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 23 | 45 | 2 |
| 15A81A05M5 | R13214 | ENGINEERING PHYSICS LAB | 25 | 49 | 2 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A05M5 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 22 | 44 | 2 |
| 15A81A05M6 | R13201 | ENGLISH-II | 26 | 48 | 3 |
| 15A81A05M6 | R13202 | MATHEMATICS-III | 28 | 56 | 3 |
| 15A81A05M6 | R13203 | ENGG. PHYSICS | 28 | 33 | 3 |
| 15A81A05M6 | R13207 | MATHEMATICS-II (MM) | 28 | 69 | 3 |
| 15A81A05M6 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 25 | 40 | 3 |
| 15A81A05M6 | R13209 | ENGG. DRAWING | 30 | 42 | 3 |
| 15A81A05M6 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 24 | 47 | 2 |
| 15A81A05M6 | R13214 | ENGINEERING PHYSICS LAB | 25 | 50 | 2 |
| 15A81A05M6 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 23 | 44 | 2 |
| 15A81A05M7 | R13201 | ENGLISH-II | 28 | 51 | 3 |
| 15A81A05M7 | R13202 | MATHEMATICS-III | 26 | 60 | 3 |
| 15A81A05M7 | R13203 | ENGG. PHYSICS | 28 | 30 | 3 |
| 15A81A05M7 | R13207 | MATHEMATICS-II (MM) | 26 | 41 | 3 |
| 15A81A05M7 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 26 | 55 | 3 |
| 15A81A05M7 | R13209 | ENGG. DRAWING | 30 | 24 | 3 |
| 15A81A05M7 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 23 | 48 | 2 |
| 15A81A05M7 | R13214 | ENGINEERING PHYSICS LAB | 25 | 49 | 2 |
| 15A81A05M7 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 24 | 45 | 2 |
| 15A81A05M8 | R13201 | ENGLISH-II | 25 | 46 | 3 |
| 15A81A05M8 | R13202 | MATHEMATICS-III | 26 | 57 | 3 |
| 15A81A05M8 | R13203 | ENGG. PHYSICS | 27 | 42 | 3 |
| 15A81A05M8 | R13207 | MATHEMATICS-II (MM) | 26 | 58 | 3 |
| 15A81A05M8 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 28 | 49 | 3 |
| 15A81A05M8 | R13209 | ENGG. DRAWING | 29 | 29 | 3 |
| 15A81A05M8 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 44 | 2 |
| 15A81A05M8 | R13214 | ENGINEERING PHYSICS LAB | 21 | 46 | 2 |
| 15A81A05M8 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 21 | 43 | 2 |
| 15A81A05M9 | R13201 | ENGLISH-II | 23 | 33 | 3 |
| 15A81A05M9 | R13202 | MATHEMATICS-III | 22 | 48 | 3 |
| 15A81A05M9 | R13203 | ENGG. PHYSICS | 24 | 35 | 3 |
| 15A81A05M9 | R13207 | MATHEMATICS-II (MM) | 26 | 47 | 3 |
| 15A81A05M9 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 26 | 27 | 3 |
| 15A81A05M9 | R13209 | ENGG. DRAWING | 29 | 39 | 3 |
| 15A81A05M9 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 45 | 2 |
| 15A81A05M9 | R13214 | ENGINEERING PHYSICS LAB | 22 | 46 | 2 |
| 15A81A05M9 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 22 | 37 | 2 |
| 15A81A05N0 | R13201 | ENGLISH-II | 21 | 44 | 3 |
| 15A81A05N0 | R13202 | MATHEMATICS-III | 19 | 26 | 3 |
| 15A81A05N0 | R13203 | ENGG. PHYSICS | 22 | 9 | 0 |
| 15A81A05N0 | R13207 | MATHEMATICS-II (MM) | 21 | 36 | 3 |
| 15A81A05N0 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 25 | 42 | 3 |
| 15A81A05N0 | R13209 | ENGG. DRAWING | 30 | 37 | 3 |
| 15A81A05N0 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 40 | 2 |
| 15A81A05N0 | R13214 | ENGINEERING PHYSICS LAB | 21 | 46 | 2 |
| 15A81A05N0 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 20 | 41 | 2 |
| 15A81A05N1 | R13201 | ENGLISH-II | 21 | 37 | 3 |
| 15A81A05N1 | R13202 | MATHEMATICS-III | 24 | 36 | 3 |
| 15A81A05N1 | R13203 | ENGG. PHYSICS | 22 | 24 | 3 |
| 15A81A05N1 | R13207 | MATHEMATICS-II (MM) | 22 | 30 | 3 |
| 15A81A05N1 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 23 | 44 | 3 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A05N1 | R13209 | ENGG. DRAWING | 27 | 5 | 0 |
| 15A81A05N1 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 40 | 2 |
| 15A81A05N1 | R13214 | ENGINEERING PHYSICS LAB | 19 | 45 | 2 |
| 15A81A05N1 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 20 | 41 | 2 |
| 15A81A05N2 | R13201 | ENGLISH-II | 25 | 44 | 3 |
| 15A81A05N2 | R13202 | MATHEMATICS-III | 29 | 40 | 3 |
| 15A81A05N2 | R13203 | ENGG. PHYSICS | 28 | 39 | 3 |
| 15A81A05N2 | R13207 | MATHEMATICS-II (MM) | 28 | 53 | 3 |
| 15A81A05N2 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 23 | 46 | 3 |
| 15A81A05N2 | R13209 | ENGG. DRAWING | 30 | 56 | 3 |
| 15A81A05N2 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 44 | 2 |
| 15A81A05N2 | R13214 | ENGINEERING PHYSICS LAB | 25 | 49 | 2 |
| 15A81A05N2 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 21 | 44 | 2 |
| 15A81A05N4 | R13201 | ENGLISH-II | 27 | 39 | 3 |
| 15A81A05N4 | R13202 | MATHEMATICS-III | 23 | 49 | 3 |
| 15A81A05N4 | R13203 | ENGG. PHYSICS | 28 | 35 | 3 |
| 15A81A05N4 | R13207 | MATHEMATICS-II (MM) | 28 | 39 | 3 |
| 15A81A05N4 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 27 | 31 | 3 |
| 15A81A05N4 | R13209 | ENGG. DRAWING | 30 | 32 | 3 |
| 15A81A05N4 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 23 | 45 | 2 |
| 15A81A05N4 | R13214 | ENGINEERING PHYSICS LAB | 23 | 49 | 2 |
| 15A81A05N4 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 23 | 44 | 2 |
| 15A81A05N5 | R13201 | ENGLISH-II | 24 | 37 | 3 |
| 15A81A05N5 | R13202 | MATHEMATICS-III | 19 | 24 | 3 |
| 15A81A05N5 | R13203 | ENGG. PHYSICS | 20 | 9 | 0 |
| 15A81A05N5 | R13207 | MATHEMATICS-II (MM) | 13 | 16 | 0 |
| 15A81A05N5 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 24 | 41 | 3 |
| 15A81A05N5 | R13209 | ENGG. DRAWING | 27 | 41 | 3 |
| 15A81A05N5 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 23 | 44 | 2 |
| 15A81A05N5 | R13214 | ENGINEERING PHYSICS LAB | 21 | 45 | 2 |
| 15A81A05N5 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 19 | 40 | 2 |
| 15A81A05N6 | R13201 | ENGLISH-II | 26 | 50 | 3 |
| 15A81A05N6 | R13202 | MATHEMATICS-III | 16 | 24 | 3 |
| 15A81A05N6 | R13203 | ENGG. PHYSICS | 24 | 10 | 0 |
| 15A81A05N6 | R13207 | MATHEMATICS-II (MM) | 15 | 12 | 0 |
| 15A81A05N6 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 23 | 52 | 3 |
| 15A81A05N6 | R13209 | ENGG. DRAWING | 25 | 7 | 0 |
| 15A81A05N6 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 21 | 42 | 2 |
| 15A81A05N6 | R13214 | ENGINEERING PHYSICS LAB | 22 | 40 | 2 |
| 15A81A05N6 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 19 | 39 | 2 |
| 15A81A05N7 | R13201 | ENGLISH-II | 25 | 48 | 3 |
| 15A81A05N7 | R13202 | MATHEMATICS-III | 19 | 29 | 3 |
| 15A81A05N7 | R13203 | ENGG. PHYSICS | 25 | 4 | 0 |
| 15A81A05N7 | R13207 | MATHEMATICS-II (MM) | 21 | 36 | 3 |
| 15A81A05N7 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 21 | 50 | 3 |
| 15A81A05N7 | R13209 | ENGG. DRAWING | 15 | 7 | 0 |
| 15A81A05N7 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 19 | 43 | 2 |
| 15A81A05N7 | R13214 | ENGINEERING PHYSICS LAB | 20 | 47 | 2 |
| 15A81A05N7 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 15 | 41 | 2 |
| 15A81A05N8 | R13201 | ENGLISH-II | 24 | 38 | 3 |
| 15A81A05N8 | R13202 | MATHEMATICS-III | 26 | 44 | 3 |

| Htno | Subcode | Subname | Internal | External | credits |
|------------|---------|-------------------------------------|----------|----------|---------|
| 15A81A05N8 | R13203 | ENGG. PHYSICS | 28 | 26 | 3 |
| 15A81A05N8 | R13207 | MATHEMATICS-II (MM) | 25 | 43 | 3 |
| 15A81A05N8 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 28 | 17 | 0 |
| 15A81A05N8 | R13209 | ENGG. DRAWING | 29 | 24 | 3 |
| 15A81A05N8 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 42 | 2 |
| 15A81A05N8 | R13214 | ENGINEERING PHYSICS LAB | 22 | 48 | 2 |
| 15A81A05N8 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 19 | 43 | 2 |
| 15A81A05N9 | R13201 | ENGLISH-II | 23 | 44 | 3 |
| 15A81A05N9 | R13202 | MATHEMATICS-III | 19 | 24 | 3 |
| 15A81A05N9 | R13203 | ENGG. PHYSICS | 15 | 9 | 0 |
| 15A81A05N9 | R13207 | MATHEMATICS-II (MM) | 10 | 7 | 0 |
| 15A81A05N9 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 20 | 11 | 0 |
| 15A81A05N9 | R13209 | ENGG. DRAWING | 20 | 39 | 3 |
| 15A81A05N9 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 22 | 40 | 2 |
| 15A81A05N9 | R13214 | ENGINEERING PHYSICS LAB | 18 | 42 | 2 |
| 15A81A05N9 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 19 | 39 | 2 |
| 15A81A05O0 | R13201 | ENGLISH-II | 20 | 30 | 3 |
| 15A81A05O0 | R13202 | MATHEMATICS-III | 17 | 6 | 0 |
| 15A81A05O0 | R13203 | ENGG. PHYSICS | 24 | 7 | 0 |
| 15A81A05O0 | R13207 | MATHEMATICS-II (MM) | 19 | 24 | 3 |
| 15A81A05O0 | R13208 | PROFESSIONAL ETHICS & HUMAN VALUES | 20 | 43 | 3 |
| 15A81A05O0 | R13209 | ENGG. DRAWING | 25 | 24 | 3 |
| 15A81A05O0 | R13213 | ENGLISH-COMMUNICATION SKILLS LAB-II | 20 | 42 | 2 |
| 15A81A05O0 | R13214 | ENGINEERING PHYSICS LAB | 17 | 44 | 2 |
| 15A81A05O0 | R13216 | ENGINEERING WORKSHOP & IT WORKSHOP | 19 | 39 | 2 |

****Note:-** For Recounting/Revaluation/Challenge By Revaluation Apply through College PORTAL by Examination Incharge only on or before 23-08-2016.

**** Note:**

- * -1 in the filed of externals indicates student absent for the respective subject.
- * -2 in the filed of externals indicates student Withheld for the respective subject.
- * -3 in the filed of externals indicates student Malpractice for the respective

N. Mohan Rao

Date:13-08-2016

Controller of Examinations