

# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

## EXAMINATION BRANCH, KAKINADA - 533003

### IV B.TECH - II SEMESTER (R13) ADVANCED SUPPLEMENTARY EXAMINATIONS, JULY/AUG - 2017

#### T I M E T A B L E

T I M E : 10.00 AM TO 1.00 PM

Branch	25.07.2017 (Tuesday)	26.07.2017 (Wednesday)	27.07.2017 (Thursday)	28.07.2017 (Friday)	29.07.2017 (Saturday)
<b>Civil Engineering (01)</b>	Estimating, Specifications & Contracts (RT42011)	<b>Elective-II:</b> Engineering with Geo-synthetics (RT42012A)/ Environmental Impact Assessment and Management (RT42012B)/ Advanced Structural Engineering (RT42012C)/ Ground Water Development and Management (RT42012D)/ Traffic Engineering (RT42012E)/ Infrastructure Management (RT42012F)	<b>Elective-III:</b> Advanced foundation Engineering (RT42013A)/ Solid waste Management (RT42013B)/ Earthquake Resistant Design (RT42013C)/ Water Shed Management (RT42013D)/ Pavement Analysis and Design (RT42013E)/ Green Buildings (RT42013F)	<b>Elective-IV:</b> Soil Dynamics and Machine Foundations (RT42014A)/ Environmental and Industrial Hygiene(RT42014B)/ Repair and Rehabilitation of Structures(RT42014C)/ Water Resources System Planning and Management (RT42014D)/ Urban Transportation Planning (RT42014E)/ Safety Engineering (RT42014F)/ Bridge Engineering (RT42014G)	
<b>Electrical and Electronics Engineering (02)</b>	Digital Control Systems (RT42021)	<b>Elective-II:</b> Advanced Control Systems (RT42022A) High Voltage Engineering (RT42022B) Special Electrical Machines (RT42022C)	<b>Elective-III:</b> Electric Power Quality (RT42023A)/ Digital Signal Processing (RT42023B)/ FACTS: Flexible Alternating Current Transmission Systems (RT42023C)	<b>Elective-IV:</b> OOPS Through Java(RT42024A)/ UNIX and Shell Programming (RT42024B)/ AI Techniques (RT42024C)/ Power System Reforms (RT42024D)/ Systems Engineering (RT42024E)	
<b>Mechanical Engineering (03)</b>	Production Planning and Control (RT42031) <i>(Common to ME, Mining)</i>	Green Engineering Systems (RT42032)	<b>Elective-III:</b> Experimental Stress Analysis (RT42033A) <i>(Common to ME,AME)/</i> Mechatronics (RT42033B)/ Advanced Materials (RT42033C)/ Power Plant Engineering(RT42033D)	<b>Elective-IV:</b> Non Destructive Evaluation(RT42034A)/ Advanced Optimization Techniques(RT42034B)/ Gas Dynamics & Jet Propulsion(RT42034C)/ Quality and Reliability Engineering (RT42034D)	

<b>Electronics and Communication Engineering (04)</b>	Cellular Mobile Communication (RT42041)	Electronic Measurements and Instrumentation (RT42042)	<b>Elective-III:</b> Satellite Communication (RT42043A)/ Mixed signal Design (RT42043B)/ Embedded systems (RT42043C) ( <i>Common to ECE,EIE&amp;ECC</i> ) RF Circuit Design (RT42043D) Cloud Computing (RT42043E) ( <i>Common to ECE,CSE</i> )	<b>Elective-IV:</b> Wireless Sensors and Networks (RT42044A) ( <i>Common to ECE,EIE&amp;ECC</i> ) System on Chip (RT42044B) ( <i>Common to ECE, EIE</i> ) Low Power VLSI Design (RT42044C) Bio-Medical Ins(RT42044D)	EMI/EMC (RT42044E) ( <i>Common to ECE, ECC</i> )
<b>Computer Science and Engineering (05)</b>	Distributed Systems (RT42051) ( <i>Common to CSE, IT</i> )	Management Science (RT42052) ( <i>Common to CSE, IT &amp; AME</i> )	<b>Elective-IV:</b> Micro processors and Multi Core Systems (RT42054A)/ Embedded and Real Time Systems (RT42054B)/ Neural Networks & Soft Computing (RT42054C) / Social Networks and the Semantic Web(RT42054D)/ Cloud Computing (RT42043E) ( <i>Common to CSE, ECE</i> )	<b>Elective-III:</b> Human Computer Interaction (RT42053A)/ ( <i>Common to CSE, IT</i> ) Advanced Operating Systems (RT42053B)/ ( <i>Common to CSE, IT</i> ) Mobile Adhoc & Sensor Networks(RT42053C)/ ( <i>Common to CSE, IT</i> ) Pattern Recognition(RT42053D)/ ( <i>Common to CSE, IT</i> ) Digital Image Processing (RT42053E)/ Micro processors and Multi Core Systems (RT42053F)	
<b>Chemical Engineering (08)</b>	Industrial Safety & Hazard Management (RT42081)	<b>Elective-II:</b> Multicomponent Distillation (RT42082A)/ Fluidization Engineering (RT42082B)/ Corrosion & Its Control (RT42082C)	<b>Elective-III:</b> Computational Fluid Dynamics (RT42083A)/ Optimization of Chemical Processes (RT42083B)/ Computational Methods in Chemical Engineering (RT42083C)	<b>Elective-IV:</b> Catalysis(RT42084A)/ Pipeline Engineering (RT42084B)/ Process Trouble Shooting (RT42084C)	
<b>Electronics &amp; Instrumentation Engineering (10)</b>	Industrial Automation (RT42101)	Data Communication (RT42102)	<b>Elective-III:</b> Digital IC Design (RT42103A)/ Embedded systems (RT42043C) ( <i>Common to ECE,EIE&amp;ECC</i> )/ Micro electromechanical systems (MEMS) (RT42103B)/ Computer Networks (RT42103C)/ Advanced Computer Architecture (RT42103D)	<b>Elective-IV:</b> Wireless Sensors and Networks (RT42044A) ( <i>Common to ECE,EIE&amp;ECC</i> )/ Calibration & standards (RT42104A)/ Fiber Optic Sensors (RT42104B)/ Telemetry & Tele control (RT42104C)/ System on Chip(RT42044B) ( <i>Common to ECE&amp;EIE</i> )	

<p><b>Information Technology (12)</b></p>	<p>Distributed Systems (RT42051)/ <i>(Common to CSE, IT)</i></p>	<p>Management Science (RT42052) <i>(Common to CSE, IT &amp; AME)</i></p>	<p>Mathematical Optimization (<b>RT42121</b>)</p>	<p><b>Elective-III:</b> Human Computer Interaction (RT42053A)/ <i>(Common to CSE, IT)</i> Advanced Operating Systems (RT42053B)/ <i>(Common to CSE, IT)</i> Mobile Adhoc &amp; Sensor Networks(RT42053C)/ <i>(Common to CSE, IT)</i> Pattern Recognition(RT42053D)/ <i>(Common to CSE, IT)</i></p>	
<p><b>Electronics &amp; Computer Engineering (19)</b></p>	<p>Automata Theory &amp; Compiler Design (RT42192)/</p>	<p>-----</p>	<p>Embedded Systems (RT42043C) <i>(Common to ECE,EIE&amp;ECC)</i></p>	<p><b>Elective-IV:</b> Wireless Sensor Networks (RT42044A) <i>(Common to ECE, ECC)</i>/ Real Time Operating Systems (RT42194B) / Network Security &amp; Cryptography (RT42194C)</p>	<p><b>Elective-III:</b> High Performance Computing (RT42193A)/ EMI/EMC (RT42044E)/ <i>(Common to ECE, ECC)</i> Data Ware Housing &amp; Data Mining(RT42193C)</p>
<p><b>Aeronautical Engineering (21)</b></p>	<p>Aircraft Systems and Instrumentation (RT42211)</p>	<p>Structural Analysis and Detailed Design (RT42212)</p>	<p><b>Elective-III:</b> Engineering Optimization(RT42213A)/ Propellant Technology(RT42213B)/ Boundary Layer Theory(RT42213C)/ Hypersonic Aerodynamics (RT42213D)</p>	<p><b>Elective-IV:</b> Aero elasticity(RT42214A)/ Industrial Aerodynamics(RT42214B) / Advanced Computational Aerodynamics (RT42214C) / Fatigue and Fracture Mechanics (RT42214D)</p>	
<p><b>Automobile Engineering (24)</b></p>	<p>Automotive Control Systems (RT42241)</p>	<p><b>Elective-IV:</b>Management Science (RT42052) <b>(Common to CSE, IT &amp; AME)</b> / Principles of Entrepreneurship (RT42244B)/ Simulation of SI and CI Engines (RT42244C)/ Modern Vehicle Technology (RT42244D)</p>	<p><b>Elective-III:</b> Automotive Safety (RT42243A)/ Automotive Manufacturing (RT42243B)/ Auto Air Conditioning (RT42243C)/ Experimental Stress Analysis (RT42033A) <i>(Common to ME,AME)</i></p>	<p>Vehicle Maintenance (RT42242)</p>	

<b>Mining Engineering (26)</b>	Production Planning and Control (RT42031) <i>(Common to ME, MINING)</i>	Deep Sea Mining (RT42262A)/ Mine Construction (RT42262B)/ Tunneling Engineering (RT42262C)	<b>Elective-III:</b> Planning Of Underground Metal Mining Project (RT42263A) / Planning Of Underground Coal Mining Project (RT42263B) / Planning Of Surface Mining Project (RT42263C)	<b>Elective-IV:</b> Maintenance And Reliability Engineering (RT42264A) / Rock Excavation Engineering (RT42264B) / Mine Health And Safety Engineering (RT42264C)	
<b>Petroleum Engineering (27)</b>	Petroleum Economics, Regulations & Policies (RT42271)	Reservoir Modeling & Simulation (RT42272A)/ Horizontal Well Technology (RT42272B)/ LNG-Processes, transportation & Storage (RT42272C)	<b>Elective-III:</b> Reservoir Stimulation (RT42273A)/ Subsea Engineering (RT42273B)/ Fundamentals of Multiphase Flow (RT42273C)	<b>Elective-IV:</b> Natural Gas Hydrates (RT42274A) / Advanced Natural Gas Engineering (RT42274B) / Petroleum Biotechnology (RT42274C)	
<b>Agricultural Engineering (35)</b>	Design of Agricultural Machinery (RT42351)	Agro Industries and Bi-product Utilization (RT42352)	<b>Elective-III:</b> GIS and Remote Sensing(RT42353A) Human Engineering and Safety(RT42353B) Production Technology of Agricultural Machinery (RT42353C)	<b>Elective-IV:</b> Minor Irrigation and Command area development(RT42354A) Hydraulic Devices and Control (RT42354B) Principles of Entrepreneurship (RT42354C)	

**NOTE:**

- i) ANY OMISSIONS OR CLASHES IN THIS TIME TABLE MAY PLEASE BE INFORMED TO THE CONTROLLER OF EXAMINATIONS IMMEDIATELY.
- ii) EVEN IF GOVERNMENT DECLARES HOLIDAY ON ANY OF THE ABOVE DATES, THE EXAMINATIONS SHALL BE CONDUCTED AS USUAL.
- iii) THE PRINCIPALS ARE REQUESTED TO INFORM THE UNIVERSITY ANY OTHER SUBSTITUTE SUBJECTS THAT ARE NOT INCLUDED IN THE ABOVE LIST IMMEDIATELY.

*N. Mohan Rao*

**Controller of Examinations**

Date: 12.07.2017