

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**  
**UNIVERSITY EXAMINATION CENTER, KAKINADA**  
**IV B.TECH II SEMESTER (R10) SUPPLEMENTARY EXAMINATIONS - APRIL/MAY, 2019**

**TIME: 10.00 AM TO 01.00 PM**

**TIME TABLE**

<b>Branch</b>	<b>13.04.2019 (Saturday)</b>	<b>16.04.2019 (Tuesday)</b>	<b>18.04.2019 (Thursday)</b>	<b>27.04.2019 (Saturday)</b>	<b>30.04.2019 (Tuesday)</b>	<b>08.05.2019 (Wednesday)</b>
<b>Civil Engineering</b>	<i>Estimation, Specifications &amp; Contracts (R42011)</i>	<i>Advanced Structural Design (R42012), Ground Water Development and Management (R42013)</i>	<i>Water Shed Management (R42015), Finite Element Methods (R42016)</i>	<i>Soil Dynamics and Machine Foundations (R42018), Advanced Structural Analysis (R42019), Water Resources System Planning and Management (R4201A)</i>	<i>Environmental Impact Assessment and Management (R42014)</i>	<i>Pavement Analysis Design and Evaluation (R42017)</i>
<b>Electrical &amp; Electronics Engineering</b>	<i>Digital Control Systems (R42021)</i>	<i>Advanced Control Systems (R42022), Extra High Voltage Transmission (R42023), Special Electrical Machines (R42024)</i>	<i>Non Conventional Sources of Energy (R42025), Digital Signal Processing (R42026), FACTS: Flexible Alternating Current Transmission Systems (R42027)</i>	<i>OOPS through Java (R42028), UNIX and Shell Programming (R42029), AI Techniques (R4202A)</i>	----	----
<b>Mechanical Engineering</b>	<i>Interactive Computer Graphics (R42031)</i>	<i>Metal Corrosion (R42032), Nanotechnology (R42033), Automation in Manufacturing (R42034), Industrial Hydraulics &amp; Pneumatics (R42035)</i>	<i>Production Planning and Control (R4203A) (Common to ME &amp; AME), Advanced Optimization Techniques(R4203B)</i>	<i>Non Destructive Evaluation (R42036), Data Base Management Systems (R42037)(Common to ME, EIE &amp; AE), Advanced Materials (R42038), Power Plant Engineering(R42039)</i>	<i>Gas Dynamics &amp; Jet Propulsion (R4203C) (Common to ME &amp; AME), Managerial Economics &amp; Financial Analysis (MEFA) (P42031)</i>	<i>Quality and Reliability Engineering (R4203D) (Common to ME &amp; AME), Robotics (P42033)</i>

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<b>Electronics &amp; Communication Engineering</b>	Cellular and Mobile Communications (R42041), Optical Communications (P42041)	Satellite Communications(R42043), Digital Control Systems (R42044)(Common toECE & EIE)	Analytical Instrumentation (R42048), Real Time Operating Systems (R42049) (Common to ECE, EIE & ECM), TV Engineering (R4204A), Embedded Systems (P42042)	Operating Systems (R42045), Structured Digital Design (R42046) (Common to ECE & ECM)	Network Security & Cryptography (R42042)(Common to ECE & ECM)	Wireless Sensor Networks (R42047) (Common to ECE & ECM)
<b>Computer Science &amp; Engineering</b>	Distributed Systems (R42051)	Human Computer Interaction (R42052) (Common to CSE & IT), Advanced Operating Systems (R42053) (Common to CSE & IT), Mobile Adhoc & Sensor Networks (R42054) (Common to CSE & IT), Pattern Recognition (R42055) (Common to CSE & IT), Digital Image Processing (R42056) (Common to CSE & IT)	Embedded and Real Time Systems (R42057) (Common to CSE & IT), Simulation Modeling (R42058) (Common to CSE & IT), Information Retrieval Systems (R42059), Artificial Intelligence (R4205A), Multimedia & Application Development (R4205B) (Common to CSE & IT)	Software Testing Methodologies (R4205C) (Common to CSE & IT), Neural Networks & Soft Computing (R4205D) (Common to CSE & IT), Social Networks and the Semantic Web (R4205E) (Common to CSE & IT), Parallel Computing (R4205F), E- Commerce (R4205G) (Common to CSE & IT)	Principles of Programming Languages (P42051)	Software Engineering (P42053)

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<b>Chemical Engineering</b>	<i>Industrial Safety &amp; Hazard Management (R42081)</i>	<i>Multicomponent Distillation (R42082), Fluidization Engineering (R42083), Corrosion and its Control (R42084)</i>	<i>Computational Fluid Dynamics (R42085) (Common to Chemical &amp; PE), Optimization of Chemical Processes (R42086), Nuclear Reactor Engineering (R42087)</i>	<i>Petroleum Refining &amp; Petrochemical Engineering (R42088), Air Pollution Control Engineering (R42089), Energy Engineering(R4208A)</i>	----	----
<b>Electronics &amp; Instrumentation Engineering</b>	<i>Industrial Electronics (R42101)</i>	<i>Embedded Systems (R42102), Virtual Instrumentation (R42103), Digital Control Systems (R42044) (Common to ECE &amp; EIE)</i>	<i>Robotics &amp; Automation (R42104) (Common to EIE &amp; BME), Digital Image Processing (R42105), Real Time Operating Systems (R42049) (Common to ECE, EIE &amp; ECM)</i>	<i>Analog IC Design (R42106), Data Base Management Systems (R42037) (Common to ME, EIE &amp; AE), Artificial Neural Networks (R42107)</i>	----	----
<b>Bio Medical Engineering</b>	<i>Bio MEMS (R42111)</i>	<i>Embedded &amp; Real Time Systems (R42112), Medical Informatics(R42113), Hospital System Management (R42114)</i>	<i>Robotics &amp; Automation (R42104) (Common to EIE &amp; BME), Computer Graphics(R42118), Prosthetics(R42119)</i>	<i>Biomaterials (R42115), Tissue Engineering (R42116), Quantitative Engineering Physiology (R42117)</i>	----	----

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<b>Information Technology</b>	Software Project Management (R42121)	Human Computer Interaction (R42052) (Common to CSE & IT), Advanced Operating Systems (R42053) (Common to CSE & IT), Mobile Adhoc & Sensor Networks (R42054) (Common to CSE & IT), Pattern Recognition (R42055) (Common to CSE & IT), Digital Image Processing (R42056) (Common to CSE & IT)	Embedded and Real Time Systems (R42057) (Common to CSE & IT), Simulation Modeling (R42058) (Common to CSE & IT), Computer Forensics(R42122), Machine Learning(R42123), Multimedia & Application Development (R4205B) (Common to CSE & IT)	Software Testing Methodologies (R4205C) (Common to CSE & IT), Neural Networks & Soft Computing (R4205D) (Common to CSE & IT), Social Networks and the Semantic Web (R4205E) (Common to CSE & IT), Cloud Computing (R42124), E- Commerce (R4205G) (Common to CSE & IT)	----	
<b>Electronics &amp; Computer Engineering</b>	Automata Theory & Compiler Design (R42191)	Language Processors (R42194), E M I/ E M C (R42195), Data Warehousing and Data Mining (R42196)	Real Time Operating Systems (R42049) (Common to ECE, EIE & ECM)	Web Design (R42192), Fuzzy Logic and Neural Networks (R42193), Structured Digital Design (R42046) (Common to ECE & ECM)	Network Security and Cryptography (R42042) (Common to ECE & ECM)	Wireless Sensor Networks (R42047) (Common to ECE & ECM)

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<b>Aeronautical Engineering</b>	<i>Aircraft Systems and Instrumentation (R42211)</i>	<i>Rockets and Missiles (R42212), Propellant Technology (R42213), Industrial Aerodynamics (R42214)</i>	<i>Fatigue &amp; Fracture Mechanics (R42215), Aircraft Maintenance Management (R42216), Aeroelasticity (R42217)</i>	<i>Air Line Management (R42218), Helicopter Engineering (R42219), Data Base Management Systems (R42037) (Common to ME, EIE &amp; AE)</i>	----	----
<b>Bio Technology</b>	<i>Animal Cell Science and Technology (R42231)</i>	<i>Creativity Innovation and Product Development (R42232), Nano Biotechnology (R42233), Metabolic Engineering (R42234)</i>	<i>Food Science and Technology (R42235), Molecular Modeling and Drug Design (R42236), Bio Process Economics and Plant Design (R42237)</i>	<i>Biopharmaceutical Technology (R42238), Phytochemicals and Herbal Medicine (R42239), Bioprocess Optimization (R4223A), Enzyme Engineering (R4223B)</i>	----	----
<b>Automobile Engineering</b>	<i>Automotive Control Systems (R42241)</i>	<i>Computational Fluid Dynamics (R42242), Operations Research (R42243)</i>	<i>Production Planning &amp; control (R4203A) (Common to ME &amp; AME), Principles of Entrepreneurship (R42246), Simulation of SI &amp; CI Engine (R42247)</i>	<i>Automation in Manufacturing (R42244), Automotive Air Conditioning (R42245)</i>	<i>Gas Dynamics &amp; Jet propulsion (R4203C) (Common to ME &amp; AME),</i>	<i>Quality and Reliability Engineering (R4203D) (Common to ME &amp; AME)</i>

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<b>Mining Engineering</b>	<i>Production Planning and Control (R42261)</i>	<i>Deep Sea mining (R42262), Mine Construction (R42263), Tunneling Engineering (R42264)</i>	<i>Planning of Under Ground Metal Mining Project (R42265), Planning of Under Ground Coal Mining Project (R42266), Planning of Surface Mining Project (R42267)</i>	<i>Maintenance &amp; Reliability Engineering (R42268), Rock Excavation Engineering (R42269), Mine Health &amp; Safety Engineering (R4226A)</i>	----	----
<b>Petroleum Engineering</b>	<i>Petroleum Economics, Policies &amp; Law (R42271)</i>	<i>Reservoir Modeling &amp; Simulation (R42272), Horizontal Well Technology (R42273), Reservoir Stimulation (R42274)</i>	<i>Chemical Reaction Engineering (R42278), Computational Fluid Dynamics (R42085) (Common to Chemical &amp; PE), Petroleum Biotechnology (R42279)</i>	<i>Separation Processes (R42275), Natural Gas Processing (R42276), Natural Gas Hydrates (R42277)</i>	----	----

**NOTE:**

- i) Any omissions or clashes in this table may please be informed to the controller of examination 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: 18.03.2019