

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**  
**UNIVERSITY EXAMINATION CENTER, KAKINADA**  
**IV B.TECH II SEMESTER (R10) SUPPLEMENTARY EXAMINATIONS - SEPTEMBER, 2020**

**TIME: 10.00 AM TO 01.00 PM**

**TIME TABLE**

| <b>Branch</b>  | <b>13.09.2020<br/>(Sunday)</b>                             | <b>14.09.2020<br/>(Monday)</b>  | <b>15.09.2020<br/>(Tuesday)</b>   | <b>16.09.2020<br/>(Wednesday)</b>   | <b>19.09.2020<br/>(Saturday)</b>  |
|--|--|---|---|---|---|
| <b>Civil Engineering (01)</b>                        | <i>Estimation, Specifications &amp; Contracts (R42011)</i> | <i>Advanced Structural Design (R42012), Ground Water Development and Management (R42013), Pavement Analysis Design and Evaluation (R42017)</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>                                  |
| <b>Electrical &amp; Electronics Engineering (02)</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 (03)</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>Quality and Reliability Engineering (R4203D) (Common to ME &amp; AME), Robotics (P42033)</i> |

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|---|---|--|--|---|--|
| <b>Electronics &amp; Communication Engineering (04)</b> | <i>Cellular and Mobile Communications (R42041), Optical Communications (P42041)</i> | <i>Satellite Communications(R42043) , Digital Control Systems (R42044)(Common toECE &amp; EIE)</i>   | <i>Analytical Instrumentation (R42048), Real Time Operating Systems (R42049) (Common to ECE, EIE &amp; ECM), TV Engineering (R4204A), Embedded Systems (P42042)</i>  | <i>Operating Systems (R42045), Structured Digital Design (R42046) (Common to ECE &amp; ECM)</i>   | <i>Network Security &amp; Cryptography (R42042)(Common to ECE &amp; ECM, Wireless Sensor Networks (R42047) (Common to ECE &amp; ECM)</i> |
| <b>Computer Science &amp; Engineering (05)</b>          | <i>Distributed Systems (R42051)</i>   | <i>Human Computer Interaction (R42052) (Common to CSE &amp; IT), Advanced Operating Systems (R42053) (Common to CSE &amp; IT), Mobile Adhoc &amp; Sensor Networks (R42054) (Common to CSE &amp; IT), Pattern Recognition (R42055) (Common to CSE &amp; IT), Digital Image Processing (R42056) (Common to CSE &amp; IT)</i> | <i>Embedded and Real Time Systems (R42057) (Common to CSE &amp; IT), Simulation Modeling (R42058) (Common to CSE &amp; IT), Information Retrieval Systems (R42059), Artificial Intelligence (R4205A), Multimedia &amp; Application Development (R4205B) (Common to CSE &amp; IT)</i> | <i>Software Testing Methodologies (R4205C) (Common to CSE &amp; IT), Neural Networks &amp; Soft Computing (R4205D) (Common to CSE &amp; IT), Social Networks and the Semantic Web (R4205E) (Common to CSE &amp; IT), Parallel Computing (R4205F), E- Commerce (R4205G) (Common to CSE &amp; IT)</i> | ----   |

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|---|---|--|---|--|----------------------------------|
| <b>Chemical Engineering (08)</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 (10)</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<br/>(12)</b>                 | <i>Software Project Management (R42121)</i>           | <i>Human Computer Interaction (R42052) (Common to CSE &amp; IT), Advanced Operating Systems (R42053) (Common to CSE &amp; IT), Mobile Adhoc &amp; Sensor Networks (R42054) (Common to CSE &amp; IT), Pattern Recognition (R42055) (Common to CSE &amp; IT), Digital Image Processing (R42056) (Common to CSE &amp; IT)</i> | <i>Embedded and Real Time Systems (R42057) (Common to CSE &amp; IT), Simulation Modeling (R42058) (Common to CSE &amp; IT), Computer Froensics(R42122), Machine Learning(R42123), Multimedia &amp; Application Development (R4205B) (Common to CSE &amp; IT)</i> | <i>Software Testing Methodologies (R4205C) (Common to CSE &amp; IT), Neural Networks &amp; Soft Computing (R4205D) (Common to CSE &amp; IT), Social Networks and the Semantic Web (R4205E) (Common to CSE &amp; IT), Cloud Computing (R42124), E- Commerce (R4205G) (Common to CSE &amp; IT)</i> | ----  |
| <b>Electronics &amp; Computer Engineering<br/>(19)</b> | <i>Automata Theory &amp; Compiler Design (R42191)</i> | <i>Language Processors (R42194), E M I/ E M C (R42195), Data Warehousing and Data Mining (R42196)</i>  | <i>Real Time Operating Systems (R42049) (Common to ECE, EIE &amp; ECM)</i>   | <i>Web Design (R42192), Fuzzy Logic and Neural Networks (R42193), Structured Digital Design (R42046) (Common to ECE &amp; ECM)</i>   | <i>Network Security and Cryptography (R42042) (Common to ECE &amp; ECM, Wireless Sensor Networks (R42047) (Common to ECE &amp; ECM)</i> |

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|---|--|--|--|--|---|
| <b><i>Aeronautical Engineering<br/>(21)</i></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)<br/>(Common to ME, EIE &amp; AE)</i>             | ----  |
| <b><i>Bio Technology</i></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><i>Automobile Engineering<br/>(24)</i></b>   | <i>Automotive Control Systems (R42241)</i>           | <i>Computational Fluid Dynamics (R42242), Operations Research (R42243)</i>   | <i>Production Planning &amp; control (R4203A)<br/>(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)<br/>(Common to ME &amp; AME), Quality and Reliability Engineering (R4203D)<br/>(Common to ME &amp; AME)</i> |

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|---------------------------------------|---|--|---|--|----------------------------------|
| <b>Mining Engineering<br/>(26)</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<br/>(27)</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

**Date : 01-09-2020**



**Controller of Examinations**