



**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**

UNIVERSITY EXAMINATION CENTER, KAKINADA

**III B.TECH II SEMESTER (R19 REGULATION) SUPPLEMENTARY EXAMINATIONS, APRIL/MAY-2025**

**T I M E T A B L E**

**TIME: 10.00 AM TO 01.00 PM**

| BRANCH   | DATE & DAY  |   |   |  |  |  |
|--|---|---|---|--|--|--|
|  | 29-04-2025<br>(Tuesday)                                       | 05-05-2025<br>(Monday)                      | 08-05-2025<br>(Thursday)                | 10-05-2025<br>(Saturday)                             | 13-05-2025<br>(Tuesday)  | 15-05-2025<br>(Thursday)   |
| <b>CIVIL ENGINEERING (01 CE)</b>                       | Design & Drawing of Reinforced Concrete Structures (R1932011) | Water Resources Engineering – II (R1932012) | Geotechnical Engineering - I (R1932013) | Managerial Economics & Financial Analysis (R1932014) | <b>Program Elective – II :-</b>  | <b>Open Elective – II (Choose any One</b>                                |
|  |   |   |   |  | i) Pre-stressed Concrete (R193201A)                                      | i) Disaster Management (R193201F)  |
|  |   |   |   |  | ii) Watershed Management (R193201B)                                      | ii) Environmental Pollution & Control (R193201G)                         |
|  |   |   |   |  | iii) Advanced Foundation Engineering (R193201C)                          | iii) Elements of Civil Engineering (R193201H)                            |
|  |   |   |   |  | iv) Urban Transportation Planning (R193201D)                             | iv) Green Technology (R193201I)  |
|  |   |   |   |  | v) Architecture Town Planning (R193201E)                                 | v) Smart Cities (R193201J)   |
|  |   |   |   |  |  | vi) Project Management (R193201K)  |
|  |   |   |   |  |  | vii) Traffic Safety (R193201L)   |
|  |   |   |   |  |  | viii) Geo-Spatial Technologies (R193201M)                                |
| ix) Wastewater Treatment (R193201N)                    |   |   |   |  |  |  |
| <b>ELECTRICAL AND ELECTRONICS ENGINEERING (02 EEE)</b> | Electric Drives (R1932021)                                    | Power System Analysis (R1932022)            | Data Structures (R1932023)              | Digital Control Systems (R1932024)                   | <b>Elective – I :-</b>   | <b>Open Elective – I</b>   |
|  |   |   |   |  | i) Digital IC Applications (R193202A)                                    | i) Renewable Energy Sources (R193202G) (Except EEE)                      |
|  |   |   |   |  | ii) Communication Systems (R193202B)                                     | ii) Essentials of Analog and Digital Electronics (R193202H) (Except EEE) |
|  |   |   |   |  | iii) Computer Networks (R193202C)  | iii) Electrical Estimation and Costing (R193202I) (Except EEE)           |
|  |   |   |   |  | iv) Internet of Things Applications To Electrical Engineering (R193202D) | iv) Power Electronics Devices & Circuits (R193202J) (Except EEE)         |
|  |   |   |   |  | v) VLSI Design (R193202E)  | v) Fundamentals of Electrical Machines (R193202K) (Except EEE)           |
|  |   |   |   |  | vi) Cloud Computing (R193202F)   |  |



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| <b>MECHANICAL ENGINEERING (03 ME)</b>                       | Operations Research (R1932031)                           | Heat Transfer (R1932032)<br>(Common to ME,AME) | CAD/CAM (R1932033)                           | .....   | <b>Elective – I :-</b>                             | <b>Elective – II</b>  |
|   |  |  |  |   | i) Composite Materials (R193203A)                  | i) Material Characterization (R193203F)                         |
|   |  |  |  |   | ii) Refrigeration & Air Conditioning (R193203B)    | ii) Tribology (R193203G)  |
|   |  |  |  |   | iii) Unconventional Machining Processes (R193203C) | iii) Automobile Engineering (R193203H)                          |
|   |  |  |  |   | iv) Advanced Mechanics of Solids (R193203D)        | iv) Mechatronics (R193203I)                                     |
| v) MOOCS(NPTEL/Swayam) (R193203E)                           | v) MOOCS(NPTEL/Swayam) (R193203J)                        |  |  |   |  |   |
| <b>ELECTRONICS &amp; COMMUNICATION ENGINEERING (04 ECE)</b> | Wired and Wireless Transmission Devices (R1932041)       | VLSI Design (R1932042)                         | Digital Signal Processing (R1932043)         | Internet of Things (R1932044)   | <b>Professional Elective (PE II) :-</b>            | <b>Open Elective (OE1)</b>                                      |
|   |  |  |  |   | i) Cellular & Mobile Communication (R193204A)      | i) Data Mining (R193204F)                                       |
|   |  |  |  |   | ii) Digital IC Design (R193204B)                   | ii) Power Electronics (R193204G)                                |
|   |  |  |  |   | iii) Business Intelligence & Analytics (R193204C)  | iii) MEMS and its Applications (R193204H)                       |
|   |  |  |  |   | iv) Pattern Recognition(R193204D)                  | iv) Artificial Neural Networks(R193204I)                        |
| v) Robotics and Automation (R193204E)                       | iv) Principles of Communication (R193204J) (Except ECE)  |  |  |   |  |   |
| <b>COMPUTER SCIENCE &amp; ENGINEERING (05 CSE)</b>          | Web Technologies (R1932051)<br>(Common to CSE,IT)        | Distributed Systems (R1932052)                 | Design and Analysis of Algorithms (R1932053) | Managerial Economics and Financial Accountancy (R1932054)<br>(Common to CSE,IT) | <b>Professional Elective (PE II) :-</b>            | <b>Open Elective (OE I) :-</b>                                  |
|   |  |  |  |   | i) Mobile Application Development (R193205A)       | i) Data Structures (R193205E)<br>(Except CSE and IT)            |
|   |  |  |  |   | ii) Information Retrieval System (R193205B)        | ii) Java Programming (R193205F)<br>(Except CSE and IT)          |
|   |  |  |  |   | iii) Social Networks Analysis (R193205C)           | iii) Database Management Systems (R193205G) (Except CSE and IT) |
|   |  |  |  |   | iv) MOOCS (NPTEL/SWAYAM) (R193205D)                | iv) C++ Programming (R193205H)<br>(Except CSE and IT)           |
|   |  |  |  |   |  | v) Operating Systems (R193205I)<br>(Except CSE and IT)          |
|   | vi) Internet of Things (R193205J)<br>(Except CSE and IT) |  |  |   |  |   |



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## III B.TECH II SEMESTER (R19 REGULATION) SUPPLEMENTARY EXAMINATIONS, APRIL/MAY-2025

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| <b>INFORMATION TECHNOLOGY (12 IT)</b>                      | Web Technologies (R1932051)<br>(Common to CSE,IT)           | Data Warehousing and Data Mining (R1932121)                       | .....   | Managerial Economics and Financial Accountancy (R1932054)<br>(Common to CSE,IT) | <b>Professional Elective (PE II) :-</b>             | <b>Open Elective (OE I) :-</b>                                     |
|  |   |   |   |   | i) Web Security (R193212A)                          | i) Data Structures (R193205E)<br>(Except CSE and IT)               |
|  |   |   |   |   | ii) Software Project Management (R193212B)          | ii) Java Programming (R193205F)<br>(Except CSE and IT)             |
|  |   |   |   |   | iii) Natural Language Processing (R193212C)         | iii) Database Management Systems (R193205G) (Except CSE and IT)    |
|  |   |   |   |   | iv) MOOCS (NPTEL/SWAYAM)(R193212D)                  | iv) C++ Programming (R193212E)<br>(Except CSE and IT)              |
|  |   |   |   |   |   | v) Operating Systems (R193212F)<br>(Except CSE and IT)             |
|  | vi) Internet of Things (R193212G)<br>(Except CSE and IT)    |   |   |   |   |  |
| <b>AUTO MOBILE ENGINEERING (24 AME)</b>                    | Electrical Vehicles & Hybrid Technology (R1932241)          | Heat Transfer (R1932032)<br>(Common to ME,AME)                    | Automotive Chassis Design (R1932242)                      | Automotive Pollution and Control (R1932243)                                     | .....   | <b>OPEN ELECTIVE(offered to other</b>                              |
|  |   |   |   |   |   | i) Basic Automobile Engineering (R193224A)                         |
|  |   |   |   |   |   | ii) Automotive Maintenance and Safety (R193224B)                   |
|  | iii) Automotive Emissions and Effects (R193224C)            |   |   |   |   |  |
| <b>MINING ENGINEERING (26 MM)</b>                          | Mine Ground Control (R1932261)                              | Mineral processing (R1932262)                                     | Under Ground Metal Mining Technology (R1932263)           | Mining Machinery & Mechanization-II (R1932264)                                  | .....   | <b>Open Elective - II</b>  |
|  |   |   |   |   |   | i) Industrial Robotics (R193226A)                                  |
|  |   |   |   |   |   | ii) Artificial Intelligence (R193226B)                             |
|  | iii) Introduction to Data Base Management System (R193226C) |   |   |   |   |  |
| <b>PETROLEUM ENGINEERING/ PETROLEUM TECHNOLOGY (27 PE)</b> | Petroleum Production Engineering (R1932271)                 | Petroleum Reservoir Engineering-II (R1932272)                     | Petroleum Refinery & Petrochemical Engineering (R1932273) | .....   | <b>Professional Elective (PE II) :-</b>             | <b>OPEN ELECTIVE – II</b>  |
|  |   |   |   |   | i) Offshore Engineering (R193227A)                  | i) Basic concepts in Petroleum Drilling and Completions (R193227D) |
|  |   |   |   |   | ii) Advanced Well Completion Engineering (R193227B) | ii) Basic concepts in Petroleum Production Engineering (R193227E)  |
|  | iii) Applied Mathematics in Reservoir Engineering(R193227C) | iii) Basic concepts in Petroleum Reservoir Engineering (R193227F) |   |   |   |  |

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| AGRICULTURAL<br>ENGINEERING<br>(35 AGE) | Irrigation and<br>Drainage<br>Engineering<br>(R1932351) | Engineering<br>Properties of<br>Biological<br>Materials<br>(R1932352) | Farm Machinery<br>Equipment - II<br>(R1932353) | Dairy and<br>Food<br>Engineering<br>(R1932354) | Professional Elective - I                                | Open Elective - I                      |
|   |   |   |  |  | i) Seed Processing and Storage<br>Engineering (R193235A) | i) Operations Research (R193235D)      |
|   |   |   |  |  | ii) Greenhouse Technology<br>(R193235B)                  | ii) Robotics and Automation (R193235E) |
|   |   |   |  |  | iii) Tractor Design and Testing<br>(R193235C)            | iii) Finite Element Method (R193235F)  |

**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.

**Date: 08-04-2025**

  
**Controller of Examinations (UG)**