



# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

## IV B.TECH - I SEMESTER (R16) ADVANCED SUPPLEMENTARY EXAMINATIONS, MAY - 2024

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

**TIME : 02.00 PM TO 05.00 PM**

| Branch  | 09-05-2024<br>(Thursday)   | 10-05-2024<br>(Friday)   | 11-05-2024<br>(Saturday)                               | 14-05-2024<br>(Tuesday)   | 15-05-2024<br>(Wednesday)   | 23-05-2024<br>(Thursday)  | 24-05-2024<br>(Friday)                          |
|---|--|--|--|---|---|---|---|
| <b>Civil Engineering (01)</b>                           | Environmental Engineering – II (R1641011)                        | Water Resource Engineering - II (R1641012)                           | Geotechnical Engineering - II (R1641013)               | Remote sensing and GIS Applications (R1641014)                              | <b>Elective-I</b> : Finite Element Methods (R164101A)/Ground Improve Techniques (R164101B)/Air Pollution and Control (R164101C)/Urban Hydrology (R164101D)/Traffic Engineering (R164101E) | <b>Elective-II</b> : Advanced Structural Engineering (R164101F)/Advanced Foundation Engineering (R164101G)/Environmental Impact Assessment & Management (R164101H)/Ground Water Development (R164101I)/Pavement Analysis and Design | ....  |
| <b>Electrical &amp; Electronics Engineering (02)</b>    | Utilization of Electrical Energy (R1641021)                      | Linear IC Application (R1641022)                                     | Power Systems Operation & Control (R1641023)           | Switch Gear and Protection (R1641024)                                       | <b>Elective-I</b> : Electrical Machine Modeling Analysis (R164102A)/Advanced Control Systems (R164102B)/Programmable Logic Control & Applications (R164102C)/Instrumentation (R164102D)   | <b>Elective-II</b> : Optimization Techniques (R164102E)/Electric Power Quality (R164102F)/Special Electrical Machines (R164102G)  | ....  |
| <b>Mechanical Engineering (03)</b>                      | Mechatronics (R1641031)  | CAD/CAM (Common to ME & AME) (R1641032)                              | Finite Element Methods (Common to ME & AME) (R1641033) | Power Plant Engineering (R1641034)  | <b>Elective-I</b> : Computational Fluid Dynamics (Common to ME , AME & AE) (R164103A)/Condition Monitoring (Common to ME & AME) (R164103B)/Additive Manufacturing (R164103C)              | <b>Elective-II</b> : Advanced Materials (R164103D)/Design for Manufacture (R164103E)/Gas Dynamics & Jet Propulsion (R164103F)   | ....  |
| <b>Electronics &amp; Communication Engineering (04)</b> | Radar Systems (R1641041)   | Digital Image Processing (Common to ECE & EIE & E.COMP.E) (R1641042) | Computer Networks (Common to ECE & EIE) (R1641043)     | Optical Communications (R1641044)   | <b>Elective-I</b> : TV Engineering (R164104A)/Electronic Switching Systems (R164104B)/System Design through Verilog (R164104C)  | <b>Elective-II</b> : Embedded Systems (R164104D)/Analog IC Design(Common to ECE & EIE) (R164104E)/Network Security & Cryptography (R164104F) (Only for ECE)   | ....  |
| <b>Computer Science &amp; Engineering (05)</b>          | Cryptography and Network Security (Common to CSE, IT) (R1641051) | Software Architecture & Design Patterns (R1641052)                   | Web Technologies (R1641053)                            | Managerial Economics and Financial Analysis (Common to CSE & IT) (R1641054) | <b>Elective-I</b> : Big Data Analytics (Common to CSE & IT) (R164105A)/Information Retrieval Systems (Common to CSE & IT) (R164105B)  | <b>Elective-II</b> : Cloud Computing (Common to CSE & IT) (R164105D)/Software Project Management (Common to CSE & IT) (R164105E)/Scripting Languages (R164105F)   | Mobile Computing (Common to CSE, IT) (R164105C) |



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|---|---|--|---|---|--|--|---|
| <b>Electronics &amp; Instrumentation Engineering (10)</b> | Data Acquisition Systems (R1641101)                               | Digital Image Processing(Common to ECE , EIE & E.COMP.E) (R1641042)  | Computer Networks(Common to ECE & EIE) (R1641043)                 | Management Science (R1641102)   | <b>Elective II:</b> Mixed Signal Design (R164110C)/Robotics & Automation (R164110D)/EMI/EMC (R164110E)   | <b>Elective I:</b> Quality and Reliability Engineering Systems (QRES) (R164110A)/Analog IC Design(Common to ECE & EIE) (R164104E)/Digital Control Systems (R164110B)                         | ....  |
| <b>Information Technology (12)</b>                        | Cryptography and Network Security (Common to CSE & IT) (R1641051) | .....  | Data Ware Housing and Business Intelligence (R1641121)            | Managerial Economics and Financial Analysis (Common to CSE & IT) (R1641054) | <b>Elective I:</b> Big Data Analytics (Common to CSE & IT) (R164105A)/Information Retrieval Systems(Common to CSE & IT) (R164105B)/Internet of Things(R164112A) /Multimedia Programming (R164112B) | <b>Elective II:</b> Cloud Computing(Common to CSE & IT) (R164105D)/Software Project Management(Common to CSE & IT) (R164105E)/Machine Learning (R164112C)/Decision Support System (R164112D) | Mobile Computing (Common to CSE, IT) (R164105C) |
| <b>Electronics &amp; Computer Engineering (19)</b>        | Systems Programming (R1641191)                                    | Digital Image Processing(Common to ECE , EIE & E.COMP.E) (R1641042)  | Digital Signal Processing (R1641192)                              | UNIX Programming (R1641193)   | <b>Elective I:</b> Artificial Intelligence (R164119A)/Advanced Computer Architecture (R164119B)/Data Communication (R164119C)  | <b>Elective II:</b> Web Design (R164119D)/Fuzzy Logic and Neural Networks (R164119E)/Structured Digital Design (R164119F)  | ....  |
| <b>Aeronautical Engineering (21)</b>                      | Theory of Vibrations (R1641211)                                   | <b>Elective I:</b> Airframe Repair and Maintenance (R164121A)/Boundary Layer Theory (R164121B)/Fatigue and Fracture Mechanics (R164121C) | Instrumentation Measurements and Experiments in Fluids (R1641212) | Helicopter Engineering (R1641213)   | Computational Fluid Dynamics(Common to ME, AME & Aeronautical) (R164103A)  | <b>Elective II:</b> Elements of Combustion (R164121D)/Quality and Reliability Engineering (R164110A)/Hypersonic Aerodynamics (R164121E)  | ....  |
| <b>Automobile Engineering (24)</b>                        | Automotive Chasis and Suspension (R1641241)                       | CAD/CAM (Common to ME & AME) (R1641032)  | Finite Element Methods (Common to ME & AME) (R1641033)            | Vehicle Dynamics (R1641242)   | <b>Elective II:</b> Micro Processors & Micro Controllers (R164124D)/Computational Fluid Dynamics(Common to ME, AME & Aeronautical) (R164103A)/Condition Monitoring (Common to ME & AME) (R164103B) | <b>Elective I:</b> Vehicle Body Engg. & Safety (R164124A)/Industrial Robotics (R164124B)/Automotive Aerodynamics (R164124C)  | ....  |



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|--------------------------------------|--|--|--|--|---|---|------------------------|
| <b>Mining Engineering (26)</b>       | Computer Applications in Mining (R1641261) | Underground Metal Mining Technology (R1641262) | Rock Mechanics & Ground Control (R1641263)                   | Mine Legislation & General Safety (R1641264)           | <b>Elective I:</b> Rock Slope Engineering (R164126A)/Mine Subsidence Engineering (R164126B)/Rock Fragmentation Engineering (R164126C)                         | <b>Elective II:</b> Deep Sea Mining (R164126D)/Mine Construction Engineering (R164126E)/Tunneling Engineering (R164126F)                          | ....                   |
| <b>Petroleum Engineering (27)</b>    | Integrated Asset Management (R1641271)     | Petroleum Reservoir Engineering-II (R1641272)  | Surface Production Operations (R1641273)                     | Oil & Gas Processing Plant Design (R1641274)           | <b>Elective I:</b> Natural Gas Hydrates (R164127A)/Pipeline Engineering (R164127B)/Horizontal Well Technology (R164127C)                                      | <b>Elective II:</b> Coal Bed Methane Engineering (R164127D)/Offshore Engineering (R164127E)/Reservoir Stimulation (R164127F)                      | ....                   |
| <b>Agricultural Engineering (35)</b> | Micro Irrigation Engineering (R1641351)    | Farm Machinery and Equipments-II (R1641352)    | Post Harvest Engineering for Horticulture Produce (R1641353) | Mechanical Measurements and Instrumentation (R1641354) | <b>Elective I :</b> Seed Processing and Storage Engineering (R164135A)/Green House Technologies (R164135B)/Food Processing Plant Design and Layout (R164135C) | <b>Elective II:</b> Watershed Management (R164135D)/Food Packaging Technology (R164135E)/Minor Irrigation and Command area development (R164135F) | ....                   |

#### NOTE:

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

DATE: 26-04-2024

Controller of Examinations (UG)