# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
## KUKATPALLY - HYDERABAD – 5000 85
### EXAMINATION BRANCH
### IV YEAR B.TECH – II SEMESTER– R16 REGULATION  SUPPLEMENTARY EXAMINATIONS JULY-2022
### TI M E T A B L E

**TIME: →FN 9.45 AM TO 12:45 PM**

| BRANCH | 11-07-2022 MONDAY | 16-07-2022 SATURDAY | 21-07-2022 THURSDAY | 23-07-2022 SATURDAY | 02-08-2022 TUESDAY |
|---|---|---|---|---|---|
| | **E5** | **E6** | **OE3** | **E5** | **E6** |
| | Waste Management. Pavement  Design | Industrial Waste Water Treatment | Air Transportation Systems | Elements of Earthquake Engineering. Common to  (CE,CEE) | Geoenvironmental Engineering Common to  (CE,CEE) |
| | | | Basics of Thermodynamics | | |
| | | | Characterization of Nanomaterials | | |
| | | | Concepts of Nano Science And Technology | | Finite Element Methods for Common to (CE,CEE) |
| | | | Data Analytics | | |
| | | | Design and Selection of Engineering Materials | | |
| | | | Disaster Management | | |
| | | | Electromagnetic Interference and Compatibility | | |
| | | | Electronic Measuring Instruments | | . Design and Drawing of Irrigation Structures. |
| | | | Entrepreneur Resource Planning | | |
| | | | Fundamentals of Liquefied Natural Gas | | |
| | | | Health & Safety in Mines | | |
| | | | Health, Safety and Environment in Petroleum Industry | | |
| **CIVIL ENGINEERING** **(01-CE)** | Water Resources Systems Analysis. | | Industrial Safety, Health, and Environmental Engineering | | |
| | | | Introduction to Mechatronics | | |
| | | | Linux Programming | | |
| | | | Management Information Systems | | |
| | | | Microprocessors and Microcontrollers | | |
| | | | Organizational Behaviour | | |
| | | | PC Based Instrumentation | | |
| | | | PHP Programming | | |
| | | | Production Planning and Control | | |
| | | | R Programming | | |
| | | | Reliability Engineering | | |
| | | | Remote Sensing and GIS | | |
| | | | Renewable Energy Sources | | |
| | | | Rockets and Missiles | | |
| | | | Sensors and Transducers, | | |
| | | | Solid Fuel Technology | | |
| | | | Synthesis of Nanomaterials | | |
| | | | Telemetry and Telecontrol | | |
| | | | Total Quality Management | | |

**Date:  21-06-2022**

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|---|---|---|---|---|---|
| **ELECTRICAL AND ELECTRONICS ENGINEERING** **(02-EEE)** | **E5** Artificial Neural Networks and Fuzzy Systems | **E6** Smart Electric Grid | **OE3** Air Transportation Systems | – |  |
|  |  |  | Basics of Thermodynamics |  |  |
|  |  | Utilization of Electric Power | Characterization of Nanomaterials |  |  |
|  |  |  | Concepts of Nano Science And Technology |  |  |
|  |  | Electric and Hybrid Vehicles | Data Analytics |  |  |
|  |  |  | Design and Selection of Engineering Materials |  |  |
|  | Electrical Distribution Systems | VLSI  DESIGN | Disaster Management |  |  |
|  |  |  | Electromagnetic Interference and Compatibility |  |  |
|  |  |  | Electronic Measuring Instruments |  |  |
|  | Wind, Solar and Hybrid Energy Systems |  | Entrepreneurship and Small Business Enterprises |  |  |
|  |  |  | Environmental Impact Assessment |  |  |
|  |  |  | Fundamentals of Liquefied Natural Gas |  |  |
|  | High Voltage Engineering |  | Health & Safety in Mines |  |  |
|  |  |  | Health, Safety and Environment in Petroleum Industry |  |  |
|  |  |  | Industrial Safety, Health, and Environmental Engineering |  |  |
|  |  |  | Introduction to Mechatronics |  |  |
|  |  |  | Linux Programming |  |  |
|  |  |  | Microprocessors and Microcontrollers |  |  |
|  |  |  | Optimization Techniques in Engineering |  |  |
|  |  |  | PC Based Instrumentation |  |  |
|  |  |  | PHP Programming |  |  |
|  |  |  | Production Planning and Control |  |  |
|  |  |  | R Programming |  |  |
|  |  |  | Reliability Engineering |  |  |
|  |  |  | Remote Sensing and GIS |  |  |
|  |  |  | Renewable Energy Sources |  |  |
|  |  |  | Rockets and Missiles |  |  |
|  |  |  | Sensors and Transducers, |  |  |
|  |  |  | Solid Fuel Technology |  |  |
|  |  |  | Synthesis of Nanomaterials |  |  |
|  |  |  | Telemetry and Telecontrol |  |  |
|  |  |  | Total Quality Management |  |  |

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|---|---|---|---|---|---|
| | E5 | E6 | OE3 | E6 | E5 |
| | Fluid Power System | Advanced Mechanics of Solids | Air Transportation Systems | Automobile Engineering (ME,MSNT | Automation in Manufacturing ( Common ME,  MECT, MSNT ) |
| | | | Characterization of Nanomaterials | | |
| | Renewable Energy Sources | Unconventional Machining Processes | Concepts of Nano Science And Technology | | |
| | Production Planning and Control | Advanced Materials Technology | Data Analytics | | |
| | | | Design and Selection of Engineering Materials | | |
| | | | Disaster Management | | |
| | | | Electromagnetic Interference and Compatibility | | |
| | | | Electronic Measuring Instruments | | |
| | | | Entrepreneur Resource Planning | | |
| | | | Entrepreneurship and Small Business Enterprises | | |
| | | | Environmental Impact Assessment | | |
| | | | Fundamentals of Liquefied Natural Gas | | |
| | | | Health & Safety in Mines | | |
| MECHANICAL ENGINEERING (03-ME) | | | Health, Safety and Environment in Petroleum Industry | | |
| | | | Introduction to Mechatronics | | |
| | | | Linux Programming | | |
| | | | Management Information Systems | | |
| | | | Microprocessors and Microcontrollers | | |
| | | | Optimization Techniques in Engineering | | |
| | | | Organizational Behaviour | | |
| | | | PC Based Instrumentation | | |
| | | | PHP Programming | | |
| | | | Production Planning and Control | | |
| | | | R Programming | | |
| | | | Remote Sensing and GIS | | |
| | | | Renewable Energy Sources | | |
| | | | Rockets and Missiles | | |
| | | | Sensors and Transducers, | | |
| | | | Solid Fuel Technology | | |
| | | | Synthesis of Nanomaterials | | |
| | | | Telemetry and Telecontrol | | |

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|---|---|---|---|---|---|
| | **E5** | **E6** | **OE3** | **E5** | **E5** |
| **ELECTRONICS AND COMMUNICATION ENGINEERING**  **(04-ECE)** | Network Security and Cryptography  System Design Using FPGAs | Actuators and Robot Systems  Analog CMOS IC Design  Global Positioning System  Computer Vision | Air Transportation Systems  Organizational Behaviour  Basics of Thermodynamics  Management Information Systems  Characterization of Nanomaterials  Entrepreneur Resource Planning  Concepts of Nano Science And Technology  Data Analytics  Design and Selection of Engineering Materials  Disaster Management  Electromagnetic Interference and Compatibility  Entrepreneurship and Small Business Enterprises  Environmental Impact Assessment  Fundamentals of Liquefied Natural Gas  Health & Safety in Mines  Health, Safety and Environment in Petroleum Industry  Industrial Safety, Health, and Environmental Engineering  Introduction to Mechatronics  Linux Programming  Microprocessors and Microcontrollers  Optimization Techniques in Engineering  PC Based Instrumentation  PHP Programming  Production Planning and Control  R Programming  Reliability Engineering  Remote Sensing and GIS  Renewable Energy Sources  Rockets and Missiles  Sensors and Transducers,  Solid Fuel Technology  Synthesis of Nanomaterials  Telemetry and Telecontrol  Total Quality Management | Optical Communications ( Common TO ECE,ETM) | Machine Learning (Common  ECE, EIE, BME) |

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|---|---|---|---|---|---|
| | **E5** | **E6** | **OE3** | | |
| | Information Theory & Coding | Advanced Algorithms | Air Transportation Systems | | |
| | Real-Time Systems (Common to CSE. IT) | Web Services and Service Oriented Architecture | Basics of Thermodynamics | | |
| | Data Analytics ( Common to  CSE, IT) | Computer Forensics | Characterization of Nanomaterials | | |
| | Modern Software Engineering (Common To CSE, IT) | Neural Networks and Deep Learning (Common to CSE. IT) | Concepts of Nano Science And Technology | | |
| | | | Data Analytics | | |
| | | | Design and Selection of Engineering Materials | | |
| | | | Disaster Management | | |
| | | | Electromagnetic Interference and Compatibility | | |
| **COMPUTER SCIENCE AND ENGINEERING** **(05-CSE)** | | | Electronic Measuring Instruments | – | – |
| | | | Entrepreneur Resource Planning | | |
| | | | Entrepreneurship and Small Business Enterprises | | |
| | | | Environmental Impact Assessment | | |
| | | | Fundamentals of Liquefied Natural Gas | | |
| | | | Health & Safety in Mines | | |
| | | | Health, Safety and Environment in Petroleum Industry | | |
| | | | Industrial Safety, Health, and Environmental Engineering | | |
| | | | Introduction to Mechatronics | | |
| | | | Management Information Systems | | |
| | | | Microprocessors and Microcontrollers | | |
| | | | Optimization Techniques in Engineering | | |
| | | | Organizational Behaviour | | |
| | | | PC Based Instrumentation | | |
| | | | Production Planning and Control | | |
| | | | Reliability Engineering | | |
| | | | Renewable Energy Sources | | |
| | | | Rockets and Missiles | | |
| | | | Sensors and Transducers, | | |
| | | | Solid Fuel Technology | | |
| | | | Synthesis of Nanomaterials | | |
| | | | Telemetry and Telecontrol | | |
| | | | Total Quality Management | | |
| | | | Remote Sensing and GIS | | |

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|---|---|---|---|---|---|
| | **E5** | **E5** | **OE3** | **E6** | **E6** |
| **ELECTRONICS AND INSTRUMENT ATION ENGINEERING** <br><br> **(10-EIE)** | Neural Networks and  Fuzzy Logic <br><br> Computer Networks <br><br> Industrial Data Communications | MEMS and Applications | Air Transportation Systems | Internet of  Things Common  EIE,BME, E.Comp.E | Machine Learning  (Common ECE,EIE,  BME) |
| | | | Basics of Thermodynamics | | |
| | | | Characterization of Nanomaterials | Reliability Engineering (Common  EIE, AME) | DSP Processors and Architectures (Common To EIE, BME) |
| | | | Concepts of Nano Science And Technology | | |
| | | | Data Analytics | | |
| | | | Design and Selection of Engineering Materials | | |
| | | | Disaster Management | | |
| | | | Electromagnetic Interference and Compatibility | | |
| | | | Electronic Measuring Instruments | | |
| | | | Entrepreneur Resource Planning | | |
| | | | Entrepreneurship and Small Business Enterprises | | |
| | | | Environmental Impact Assessment | | |
| | | | Fundamentals of Liquefied Natural Gas | | |
| | | | Health & Safety in Mines | | |
| | | | Health, Safety and Environment in Petroleum Industry | | |
| | | | Industrial Safety, Health, and Environmental Engineering | | |
| | | | Introduction to Mechatronics | | |
| | | | Linux Programming | | |
| | | | Management Information Systems | | |
| | | | Microprocessors and Microcontrollers | | |
| | | | Optimization Techniques in Engineering | | |
| | | | Organizational Behaviour | | |
| | | | PHP Programming | | |
| | | | Production Planning and Control | | |
| | | | R Programming | | |
| | | | Reliability Engineering | | |
| | | | Remote Sensing and GIS | | |
| | | | Renewable Energy Sources | | |
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| | | | Solid Fuel Technology | | |
| | | | Synthesis of Nanomaterials | | |
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|---|---|---|---|---|---|---|
| | E6 | E5 | OE3 | | E5 | E6 |
| | Bio MEMS | Medical Informatics | Air Transportation Systems | | Internet of Things-(Common  EIE,BME, E.Comp.E) | Machine Learning

(Common  ECE, EIE, BME) |
| | | | Basics of Thermodynamics | | | |
| | | Physiological Systems Management | Linux Programming | | | Biometric Systems |
| | | Embedded System Design | | | | DSP Processors and Architectures (Common To EIE, BME) |
| | | | Characterization of Nanomaterials | | | |
| | | | Concepts of Nano Science And Technology | | | |
| | | | Data Analytics | | | |
| | | | Design and Selection of Engineering Materials | | | |
| | | | Disaster Management | | | |
| | | | Electronic Measuring Instruments | | | |
| | | | Entrepreneur Resource Planning | | | |
| | | | Entrepreneurship and Small Business Enterprises | | | |
| | | | Environmental Impact Assessment | | | |
| **BIO-MEDICAL ENGINEERING (11-BME)** | | | Fundamentals of Liquefied Natural Gas | | | |
| | | | Health & Safety in Mines | | | |
| | | | Health, Safety and Environment in Petroleum Industry | | | |
| | | | Industrial Safety, Health, and Environmental Engineering | | | |
| | | | Introduction to Mechatronics | | | |
| | | | Management Information Systems | | | |
| | | | Microprocessors and Microcontrollers | | | |
| | | | Optimization Techniques in Engineering | | | |
| | | | Organizational Behaviour | | | |
| | | | PC Based Instrumentation | | | |
| | | | PHP Programming | | | |
| | | | Production Planning and Control | | | |
| | | | R Programming | | | |
| | | | Reliability Engineering | | | |
| | | | Remote Sensing and GIS | | | |
| | | | Renewable Energy Sources | | | |
| | | | Rockets and Missiles | | | |
| | | | Sensors and Transducers | | | |
| | | | Solid Fuel Technology | | | |
| | | | Synthesis of Nanomaterials | | | |
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|---|---|---|---|---|---|
| | **E5** | **E6** | **OE3** | | |
| | Steganography and Watermarking | Intrusion Detection System | Air Transportation Systems | | |
| | Real-Time Systems (Common to  CSE. IT) | ADHOC and Sensor Networks | Basics of Thermodynamics | | |
| | | | Telemetry and Telecontrol | | |
| | Data Analytics Common to  CSE, IT) | Human Computer Interaction | Characterization of Nanomaterials | | |
| | | | Total Quality Management | | |
| | Modern Software Engineering (Common To CSE, IT) | | Concepts of Nano Science And Technology | | |
| | | Neural Networks and Deep Learning (Commn oTo CSE, IT) | Data Analytics | | |
| | | | Design and Selection of Engineering Materials | | |
| | | | Disaster Management | | |
| | | | Electromagnetic Interference and Compatibility | | |
| | | | Electronic Measuring Instruments | | |
| | | | Entrepreneur Resource Planning | | |
| | | | Entrepreneurship and Small Business Enterprises | | |
| | | | Environmental Impact Assessment | | |
| | | | Fundamentals of Liquefied Natural Gas | | |
| **INFORMATION TECHNOLOGY** **(12- I T)** | | | Health & Safety in Mines | | |
| | | | Health, Safety and Environment in Petroleum Industry | _ | _ |
| | | | Industrial Safety, Health, and Environmental Engineering | | |
| | | | Introduction to Mechatronics | | |
| | | | Management Information Systems | | |
| | | | Microprocessors and Microcontrollers | | |
| | | | Optimization Techniques in Engineering | | |
| | | | Organizational Behaviour | | |
| | | | PC Based Instrumentation | | |
| | | | Production Planning and Control | | |
| | | | Reliability Engineering | | |
| | | | Remote Sensing and GIS | | |
| | | | Renewable Energy Sources | | |
| | | | Rockets and Missiles | | |
| | | | Sensors and Transducers, | | |
| | | | Solid Fuel Technology | | |
| | | | Synthesis of Nanomaterials | | |
| | | | Rockets and Missiles | | |

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|---|---|---|---|---|---|
| | **E6** | **E5** | **OE3** | **E6** | **E5** |
| | Automotive Pollution and Control | Product Design and Assembly Automation | Air Transportation Systems | | Automation in Manufacturing ( Common Common ME, MECT MSNT ) |
| | | | Basics of Thermodynamics | | |
| | | | Characterization of Nanomaterials | | |
| | Power Plant Engineering | | Telemetry and Telecontrol | MEMS  Design | |
| | | MATLAB Applications | Total Quality Management | | |
| | Computational Fluid Dynamics | Mechanical Vibrations | Concepts of Nano Science And Technology | | |
| | | | Data Analytics | | |
| | | | Design and Selection of Engineering Materials | | |
| | | | Disaster Management | | |
| | | | Electromagnetic Interference and Compatibility | | |
| | | | Electronic Measuring Instruments | | |
| **MECHANICAL ENGINEERING (MECHATRONICS)** **(14-MECT)** | | | Entrepreneur Resource Planning | | |
| | | | Environmental Impact Assessment | | |
| | | | Fundamentals of Liquefied Natural Gas | | |
| | | | Health & Safety in Mines | | |
| | | | Health, Safety and Environment in Petroleum Industry | | |
| | | | Industrial Safety, Health, and Environmental Engineering | | |
| | | | Introduction to Mechatronics | | |
| | | | Linux Programming | | |
| | | | Management Information Systems | | |
| | | | Microprocessors and Microcontrollers | | |
| | | | Optimization Techniques in Engineering | | |
| | | | Organizational Behaviour | | |
| | | | PC Based Instrumentation | | |
| | | | PHP Programming | | |
| | | | R Programming | | |
| | | | Reliability Engineering | | |
| | | | Remote Sensing and GIS | | |
| | | | Rockets and Missiles | | |
| | | | Sensors and Transducers, | | |
| | | | Synthesis of Nanomaterials | | |
| | | | Solid Fuel Technology | | |

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|---|---|---|---|---|---|
| | **E6** | **E6** | **OE3** | **E5** | |
| **ElECTRONICS AND TELEMATICS ENGINEERING (17-ETM)** | Radar System | Satellite Communications | Air Transportation Systems | Optical Communications  Common To ECE,ETM) | – |
| | | | Basics of Thermodynamics | | |
| | | | Telemetry and Telecontrol | | |
| | | Cloud computing | Characterization of Nanomaterials | | |
| | | | Total Quality Management | | |
| | | Wireless and Mobile Adhoc Networks | Concepts of Nano Science And Technology | | |
| | | | Data Analytics | Advanced Telecommunicati on Technologies | |
| | | | Design and Selection of Engineering Materials | | |
| | | | Disaster Management | | |
| | | | Electromagnetic Interference and Compatibility | | |
| | | | Entrepreneur Resource Planning | Database Management Systems | |
| | | | Entrepreneurship and Small Business Enterprises | | |
| | | | Environmental Impact Assessment | | |
| | | | Fundamentals of Liquefied Natural Gas | | |
| | | | Health & Safety in Mines | Wireless Communications and Networks | |
| | | | Health, Safety and Environment in Petroleum Industry | | |
| | | | Industrial Safety, Health, and Environmental Engineering | | |
| | | | Introduction to Mechatronics | | |
| | | | Linux Programming | | |
| | | | Management Information Systems | | |
| | | | Microprocessors and Microcontrollers | | |
| | | | Optimization Techniques in Engineering | | |
| | | | Organizational Behaviour | | |
| | | | PC Based Instrumentation | | |
| | | | PHP Programming | | |
| | | | Production Planning and Control | | |
| | | | R Programming | | |
| | | | Reliability Engineering | | |
| | | | Remote Sensing and GIS | | |
| | | | Renewable Energy Sources | | |
| | | | Rockets and Missiles | | |
| | | | Sensors and Transducers, | | |
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|---|---|---|---|---|---|
| | **E5** | **E6** | **OE3** | **E5** | **E6** |
| | Composite Materials | Advanced Manufacturing Technologies | Air Transportation Systems | Ferroalloys Technology | Advanced Materials |
| | | Nuclear Materials | Basics of Thermodynamics | | |
| | Super Alloys | | Characterization of Nanomaterials | | |
| | | | Concepts of Nano Science And Technology | | |
| | | | Data Analytics | | |
| | | | Disaster Management | | |
| | | | Electromagnetic Interference and Compatibility | | |
| | | | Electronic Measuring Instruments | | |
| | | | Entrepreneur Resource Planning | | |
| | | | Entrepreneurship and Small Business Enterprises | | |
| **METALLURGICAL AND MATERIALS ENGINEERING** **(18-MME)** | | | Environmental Impact Assessment | | |
| | | | Fundamentals of Liquefied Natural Gas | | |
| | | | Health & Safety in Mines | | |
| | | | Health, Safety and Environment in Petroleum Industry | | |
| | | | Industrial Safety, Health, and Environmental Engineering | | |
| | | | Introduction to Mechatronics | | |
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| | | | Reliability Engineering | | |
| | | | Remote Sensing and GIS | | |
| | | | Renewable Energy Sources | | |
| | | | Rockets and Missiles | | |
| | | | Sensors and Transducers, | | |
| | | | Solid Fuel Technology | | |
| | | | Synthesis of Nanomaterials | | |
| | | | Telemetry and Telecontrol | | |
| | | | Total Quality Management | | |

**Date:  21-06-2022**

Sd/-

**CONTROLLER OF EXAMINATIONS**

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**
**KUKATPALLY - HYDERABAD – 5000 85**
**EXAMINATION BRANCH**
**IV YEAR B.TECH – II SEMESTER– R16 REGULATION  SUPPLEMENTARY EXAMINATIONS JULY-2022**
**TI M E T A B L E**

**TIME: →FN 9:45 AM TO 12:45 PM**

| BRANCH | 11-07-2022 MONDAY | 16-07-2022 SATURDAY | 21-07-2022 THURSDAY | | 23-07-2022 SATURDAY | 02-08-2022 TUESDAY |
|---|---|---|---|---|---|---|
| | E5 | E5 | OE3 | | E6 | E6 |
| | Computer Graphics | VLSI Design (Common to EEE, E.Comp.E) | Air Transportation Systems | | Internet of Things (Common  EIE, BME,  E.Comp.E) | Advanced Computer Architecture |
| | | | Basics of Thermodynamics | | | |
| | Data Warehousing and Data Mining | | Characterization of Nanomaterials | | | |
| | | | Synthesis of Nanomaterials | | | Data Communications |
| | Real Time Operating Systems | | Concepts of Nano Science And Technology | | | |
| | | | Solid Fuel Technology | | | |
| | | | Design and Selection of Engineering Materials | | | Multimedia and Rich Internet Applications |
| | | | Disaster Management | | | |
| | | | Electromagnetic Interference and Compatibility | | | |
| | | | Electronic Measuring Instruments | | | |
| | | | Entrepreneur Resource Planning | | | |
| | | | Entrepreneurship and Small Business Enterprises | | | |
| **ELECTRONICS AND COMPUTER ENGINEERING** **(19-E.COMP.E)** | | | Environmental Impact Assessment | | | |
| | | | Fundamentals of Liquefied Natural Gas | | | |
| | | | Health & Safety in Mines | | | |
| | | | Health, Safety and Environment in Petroleum Industry | | | |
| | | | Industrial Safety, Health, and Environmental Engineering | | | |
| | | | Introduction to Mechatronics | | | |
| | | | Linux Programming | | | |
| | | | Management Information Systems | | | |
| | | | Microprocessors and Microcontrollers | | | |
| | | | Optimization Techniques in Engineering | | | |
| | | | Organizational Behaviour | | | |
| | | | PC Based Instrumentation | | | |
| | | | PHP Programming | | | |
| | | | Production Planning and Control | | | |
| | | | R Programming | | | |
| | | | Reliability Engineering | | | |
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| | | | Total Quality Management | | | |

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|---|---|---|---|---|---|---|
| | **E6** | **E5** | **(OE3)** | | **E6** | **E6** |
| | Ground Vehicle Aerodynamics | Helicopter Engineering | Basics of Thermodynamics | | | |
| | Aeroelasticity | Fabrication and Machining of Composite Structures | Telemetry and Telecontrol | | Wind Engineering and Industrial Aerodynamics | Heat Transfer |
| | | | Total Quality Management | | | |
| | | Airlines Planning, Scheduling and Operations | Characterization of Nanomaterials | | | |
| | | Hypersonic aerodynamics | Concepts of Nano Science And Technology | | | |
| | | | Data Analytics | | | |
| | | | Design and Selection of Engineering Materials | | | |
| | | | Disaster Management | | | |
| | | | Electromagnetic Interference and Compatibility | | | |
| | | | Electronic Measuring Instruments | | | |
| | | | Entrepreneur Resource Planning | | | |
| AERONAUTICAL ENGINEERING (21-AE) | | | Entrepreneurship and Small Business Enterprises | | | |
| | | | Environmental Impact Assessment | | | |
| | | | Fundamentals of Liquefied Natural Gas | | | |
| | | | Health & Safety in Mines | | | |
| | | | Health, Safety and Environment in Petroleum Industry | | | |
| | | | Industrial Safety, Health, and Environmental Engineering | | | |
| | | | Introduction to Mechatronics | | | |
| | | | Linux Programming | | | |
| | | | Management Information Systems | | | |
| | | | Microprocessors and Microcontrollers | | | |
| | | | Optimization Techniques in Engineering | | | |
| | | | Organizational Behaviour | | | |
| | | | PC Based Instrumentation | | | |
| | | | PHP Programming | | | |
| | | | Production Planning and Control | | | |
| | | | R Programming | | | |
| | | | Reliability Engineering | | | |
| | | | Remote Sensing and GIS | | | |
| | | | Renewable Energy Sources | | | |
| | | | Sensors and Transducers, | | | |
| | | | Solid Fuel Technology | | | |
| | | | Synthesis of Nanomaterials | | | |

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|---|---|---|---|---|---|
| | E5 | E6 | OE3 | E5 | E5 |
| **AUTOMOBILE ENGINEERING (24-AME)** | Finite Element Methods | Maintenance and Safety Engineering | Air Transportation Systems | Reliability Engineering (Common EIE,AME ) | Plant Layout and Material Handling |
| | | | Total Quality Management | | |
| | | Green Engineering Systems | Basics of Thermodynamics | | |
| | | Off-road Vehicles | Characterization of Nanomaterials | | |
| | | | Synthesis of Nanomaterials | Vehicle Transport Management | |
| | | Vehicle Condition Monitoring | Concepts of Nano Science And Technology | | |
| | | | Data Analytics | | |
| | | | Design and Selection of Engineering Materials | | |
| | | | Disaster Management | | |
| | | | Electromagnetic Interference and Compatibility | | |
| | | | Electronic Measuring Instruments | | |
| | | | Entrepreneur Resource Planning | | |
| | | | Entrepreneurship and Small Business Enterprises | | |
| | | | Environmental Impact Assessment | | |
| | | | Fundamentals of Liquefied Natural Gas | | |
| | | | Health & Safety in Mines | | |
| | | | Health, Safety and Environment in Petroleum Industry | | |
| | | | Industrial Safety, Health, and Environmental Engineering | | |
| | | | Linux Programming | | |
| | | | Management Information Systems | | |
| | | | Optimization Techniques in Engineering | | |
| | | | Organizational Behaviour | | |
| | | | PC Based Instrumentation | | |
| | | | PHP Programming | | |
| | | | Production Planning and Control | | |
| | | | R Programming | | |
| | | | Reliability Engineering | | |
| | | | Remote Sensing and GIS | | |
| | | | Renewable Energy Sources | | |
| | | | Rockets and Missiles | | |
| | | | Sensors and Transducers, | | |
| | | | Telemetry and Telecontrol | | |
| | | | Solid Fuel Technology | | |

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|---|---|---|---|---|---|---|
| **MINING ENGINEERIN G (25 - MNE)** | **E5** | **E6** | **OE3** | | **E5** | |
| | Environmental Management in Mines | Mine Ventilation | Air Transportation Systems | | Planning of Underground Metal Mining Project (E5) | |
| | | | Synthesis of Nanomaterials | | | |
| | Coal Gasification, Coal Bed Methane & Shale Gas | Advanced Environmental Engineering | Basics of Thermodynamics | | | |
| | | | Telemetry and Telecontrol | | | |
| | Computer Applications in Mining | Advanced Underground Coal Mining Technology | Characterization of Nanomaterials | | | |
| | | Tunnel Engineering | Concepts of Nano Science And Technology | | | |
| | | | Data Analytics | | | |
| | | | Design and Selection of Engineering Materials | | | |
| | | | Disaster Management | | | |
| | | | Electromagnetic Interference and Compatibility | | | |
| | | | Electronic Measuring Instruments | | | |
| | | | Entrepreneur Resource Planning | | | |
| | | | Entrepreneurship and Small Business Enterprises | | | |
| | | | Environmental Impact Assessment | | | |
| | | | Fundamentals of Liquefied Natural Gas | | | |
| | | | Total Quality Management | | | |
| | | | Health, Safety and Environment in Petroleum Industry | | | |
| | | | Industrial Safety, Health, and Environmental Engineering | | | |
| | | | Introduction to Mechatronics | | | |
| | | | Linux Programming | | | |
| | | | Management Information Systems | | | |
| | | | Microprocessors and Microcontrollers | | | |
| | | | Optimization Techniques in Engineering | | | |
| | | | Organizational Behaviour | | | |
| | | | PC Based Instrumentation | | | |
| | | | PHP Programming | | | |
| | | | Production Planning and Control | | | |
| | | | R Programming | | | |
| | | | Reliability Engineering | | | |
| | | | Remote Sensing and GIS | | | |
| | | | Renewable Energy Sources | | | |
| | | | Rockets and Missiles | | | |
| | | | Sensors and Transducers, | | | |

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|---|---|---|---|---|---|
| | E5 | E6 | OE3 | E5 | |
| | Subsea Engineering | Enhanced Oil Recovery Techniques | Air Transportation Systems | Membrane Technology | |
| | Natural Gas Hydrates and Coal Bed Methane | Multi-phase Flow in Porous Media | Basics of Thermodynamics | | |
| | | Petroleum Management, Marketing and Finance | Characterization of Nanomaterials | | |
| | | | Concepts of Nano Science And Technology | | |
| | | | Data Analytics | | |
| | | | Design and Selection of Engineering Materials | | |
| | | | Electromagnetic Interference and Compatibility | | |
| | | | Electronic Measuring Instruments | | |
| | | | Entrepreneur Resource Planning | | |
| | | | Entrepreneurship and Small Business Enterprises | | |
| | | | Environmental Impact Assessment | | |
| PETROLEUM ENGINEERING (27 - PTME) | | | Health & Safety in Mines | | |
| | | | Industrial Safety, Health, and Environmental Engineering | | |
| | | | Introduction to Mechatronics | | |
| | | | Linux Programming | | |
| | | | Management Information Systems | | |
| | | | Microprocessors and Microcontrollers | | |
| | | | Optimization Techniques in Engineering | | |
| | | | Organizational Behaviour | | |
| | | | PC Based Instrumentation | | |
| | | | PHP Programming | | |
| | | | Production Planning and Control | | |
| | | | R Programming | | |
| | | | Reliability Engineering | | |
| | | | Remote Sensing and GIS | | |
| | | | Renewable Energy Sources | | |
| | | | Rockets and Missiles | | |
| | | | Sensors and Transducers, | | |
| | | | Solid Fuel Technology | | |
| | | | Synthesis of Nanomaterials | | |
| | | | Telemetry and Telecontrol | | |
| | | | Total Quality Management | | |

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|---|---|---|---|---|---|---|
| | **E5** | **E6** | **OE3** | | **E6** | **E5** |
| **CIVIL & ENVIRONMENTAL ENGINEERING** **(28-C E E)** | Estimation and Costing | Stochastic Hydrology | Air Transportation Systems | | Elements of Earthquake Engineering. (Common TO CE,CEE) | Geo environmental Engineering (Common to  CE,CEE) |
| | | Traffic Engineering | Basics of Thermodynamics | | | |
| | | Ground Improvement Techniques | Characterization of Nanomaterials | | | |
| | Foundation Engineering | | Concepts of Nano Science And Technology | | | Finite Element Methods for Civil Engineering (Common to CE,CEE) |
| | | | Data Analytics | | | |
| | | | Design and Selection of Engineering Materials | | | |
| | | | Disaster Management | | | |
| | | | Electromagnetic Interference and Compatibility | | | |
| | | | Electronic Measuring Instruments | | | |
| | | | Entrepreneur Resource Planning | | | |
| | | | Environmental Impact Assessment | | | |
| | | | Fundamentals of Liquefied Natural Gas | | | |
| | | | Health & Safety in Mines | | | |
| | | | Health, Safety and Environment in Petroleum Industry | | | |
| | | | Industrial Safety, Health, and Environmental Engineering | | | |
| | | | Introduction to Mechatronics | | | |
| | | | Linux Programming | | | |
| | | | Management Information Systems | | | |
| | | | Microprocessors and Microcontrollers | | | |
| | | | Optimization Techniques in Engineering | | | |
| | | | Organizational Behaviour | | | |
| | | | PC Based Instrumentation | | | |
| | | | PHP Programming | | | |
| | | | Production Planning and Control | | | |
| | | | R Programming | | | |
| | | | Reliability Engineering | | | |
| | | | Rockets and Missiles | | | |
| | | | Telemetry and Telecontrol | | | |
| | | | Total Quality Management | | | |
| | | | Sensors and Transducers, | | | |
| | | | Synthesis of Nanomaterials | | | |
| | | | Solid Fuel Technology | | | |
| | | | Renewable Energy Sources | | | |

# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
## KUKATPALLY - HYDERABAD – 5000 85
## EXAMINATION BRANCH
## IV YEAR B.TECH – II SEMESTER– R16 REGULATION  SUPPLEMENTARY EXAMINATIONS JULY-2022
## TIMETABLE

**TIME: →FN 9:45 AM TO 12:45 PM**

| BRANCH | 11-07-2022 MONDAY | 16-07-2022 SATURDAY | 21-07-2022 THURSDAY | 23-07-2022 SATURDAY | 02-08-2022 TUESDAY |
|---|---|---|---|---|---|
| | **E6** | **E5** | **OE3** | **E5** | **E5** |
| **MECHANICAL ENGINEERING (MATERIAL SCIENCE & NANO TECHNOLOGY)** <br><br> **(29 – MSNT)** | Nano Composites <br><br> Carbon Nano Materials and Applications <br> MEMS - NEMS Design and Applications <br><br> Nano Sensors and Actuators | Tribology <br><br> Mechanics of Composite Materials | Air Transportation Systems <br> Total Quality Management <br> Basics of Thermodynamics <br> Renewable Energy Sources <br> Rockets and Missiles <br> Telemetry and Telecontrol <br> Remote Sensing and GIS <br> Sensors and Transducers, <br> Data Analytics <br> Design and Selection of Engineering Materials <br> Disaster Management <br> Electromagnetic Interference and Compatibility <br> Electronic Measuring Instruments <br> Entrepreneur Resource Planning <br> Entrepreneurship and Small Business Enterprises <br> Environmental Impact Assessment <br> Fundamentals of Liquefied Natural Gas <br> Health & Safety in Mines <br> Health, Safety and Environment in Petroleum Industry <br> Industrial Safety, Health, and Environmental Engineering <br> Introduction to Mechatronics <br> Linux Programming <br> Management Information Systems <br> Microprocessors and Microcontrollers <br> Optimization Techniques in Engineering <br> Organizational Behaviour <br> PC Based Instrumentation <br> PHP Programming <br> Production Planning and Control <br> R Programming <br> Reliability Engineering <br> Solid Fuel Technology | Automobile Engineering ( Common ME, MSNT) | Automation in Manufacturing (Common ME, MECT, MSNT) |

**Date:  21-06-2022**

**Sd/-**
**CONTROLLER OF EXAMINATIONS**

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) READMITTED STUDENTS HAVE TO APPEAR FOR THE SUBSTITUTE SUBJECT(S) [WHICH IS/ARE NOT SHOWN IN THE TIME-TABLE] IN PLACE OF THE SUBJECT(S) ALREADY PASSED. FOR DETAILS OF SUBSTITUTE SUBJECTS REFER THE COMMUNICATIONS RECEIVED FROM THE DIRECTOR OF ACADEMIC & PLANNING.