

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**

**KUKATPALLY - HYDERABAD – 500 085**

**EXAMINATION BRANCH**

**IV YEAR B.TECH - II SEMESTER– R09 - II MID TERM EXAMINATIONS, APRIL- 2016**

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

TIME→ FN: 10.00 AM TO 11.30 AM

| BRANCH | DATE & DAY            |                        |                          |                         |                       |
|--------|-----------------------|------------------------|--------------------------|-------------------------|-----------------------|
|        | 18-04-16 FN<br>MONDAY | 19-04-16 FN<br>TUESDAY | 20-04-16 FN<br>WEDNESDAY | 21-04-16 FN<br>THURSDAY | 22-04-16 FN<br>FRIDAY |

|  |   |   |   |   |   |
|--|---|---|---|---|---|
| <b>CIVIL<br/>ENGINEERING<br/>(01-C E)</b>                            | Management Science<br>(Common to CE,<br>CSE, IT,CEE)        | Rehabilitation And Retrofitting Of<br>Structures                          | Ground Improvement<br>Techniques (Common<br>to CE,CEE)            | --  | - |
|  |   |   | Design And Drawing<br>Of Irrigation<br>Structures                 |   |   |
|  |   |   | Airport Planning And<br>Design                                    |   |   |
|  |   |   | Prestressed Concrete<br>Structures                                |   |   |
|  |   |   | Data Base<br>Management Systems                                   |   |   |
| <b>ELECTRICAL AND<br/>ELECTRONICS<br/>ENGINEERING<br/>(02-E E E)</b> | HVDC Transmission   | EHV AC Transmission   | Neural Networks &<br>Fuzzy Logic<br>(Common to EEE,<br>MIM)       | --  | - |
|  |   | Advanced Control Systems  | Linear Systems<br>Analysis  |   |   |
|  |   | Computer System Organization  | Reliability<br>Engineering And<br>Application to Power<br>Systems |   |   |
| <b>MECHANICAL<br/>ENGINEERING<br/>(03-M E)</b>                       | Production Planning<br>& Control (Common<br>to ME, MCT,MEP) | Artificial Neural Networks<br>(Common to ME,<br>ECE,EIE,MCT,ICE,MEP,MSNT) | Renewable Energy<br>Sources<br>(Common to ME,<br>AME,MSNT)        | Plant Layout<br>& Material Handling<br>(Common to ME,<br>AME,MEP) | - |
|  |   | Reliability Engineering<br>(Common to ME, AME, MIM)                       |   |   |   |
|  |   | Maintenance And<br>Safety Engineering<br>(Common to ME,<br>AME,MEP,MSNT)  | Jet Propulsion &<br>Rocket Engineering                            |   |   |
|  |   |   | Computational Fluid<br>Dynamics                                   |   |   |
|  |   |   | Gas Dynamics  |   |   |

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| ELECTRONICS AND COMMUNICATIONS ENGINEERING<br>(04-E C E)  | Radar Systems<br>(Common to ECE,ETM)              | Cellular & Mobile Communications<br>(Common to ECE,ETM,ECC)            | RF Circuit Design<br>(Common to ECE,ETM)                  | Wireless Communications & Networks<br>(Common to ECE,ETM) | Internet Working<br>(Common to ECE,ETM)                          |
|   |   | Satellite Communications<br>(Common to ECE,ETM)                        |   |   |  |
|   | Spread Spectrum Communications                    | Bio-Medical Instrumentation<br>(Common to ECE,ETM)                     |   |   |  |
|   | Network Security<br>(Common to ECE,ETM,ECC)       | Artificial Neural Networks<br>(Common to ME, ECE,EIE,MCT,ICE,MEP,MSNT) | Digital Design Through Verilog HDL<br>(Common to ECE,ETM) |   |  |
|   |   |  | Pattern Recognition<br>(Common to ECE,ETM)                |   |  |
| COMPUTER SCIENCE AND ENGINEERING<br>(05-C S E)            | Management Science<br>(Common to CE, CSE, IT,CEE) | Storage Area Networks<br>(Common to CSE, IT)                           | Web Services<br>(Common to CSE, IT)                       | Adhoc & Sensors Networks<br>(Common to CSE, IT)           | --   |
|   |   |  | Semantic Web & Social Networks                            |   |  |
|   |   | Database Security  | Scripting Languages                                       |   |  |
|   |   | Embedded Systems   | Multimedia & Rich Internet Applications                   |   |  |
| CHEMICAL ENGINEERING<br>(08-C H E M)                      | Industrial Pollution Control Engineering          | Membrane Technology<br>(Common to PTME,CHEM)                           | Design and Analysis of Experiments                        | --  | -  |
|   |   | Fluidization Engineering   | Technology of Pharmaceuticals and Fine Chemicals          |   |  |
|   |   | Plant Design & Economics   | Optimization of Chemical Process                          |   |  |
| ELECTRONICS AND INSTRUMENTATION ENGINEERING<br>(10-E I E) | Virtual Instrumentation                           | Power Plant Instrumentation<br>(Common to EIE, ICE)                    |   | PC Based Instrumentation<br>(Common to EIE, ICE)          | Reliability Engineering<br>(Common to EIE,BME,ECC, ICE,MEP,MSNT) |
|   |   | Electromagnetic Theory & Transmission Lines                            |   |   |  |
|   | Adaptive Control Systems<br>(Common to EIE, ICE)  | Artificial Neural Networks<br>(Common to ME, ECE,EIE,MCT,ICE,MEP,MSNT) |   |   |  |

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| BIO-MEDICAL<br>ENGINEERING<br>(11-B M E)                   | Biomaterials  | Robotics & Automation  |  | --  | Reliability Engineering<br>(Common to<br>EIE,BME,ECC,ICE<br>,MEP,MSNT) |
|  | Transportation<br>Phenomena in<br>Living Systems            | Medical Informatics  |  |   |  |
|  | Physiological<br>Systems Modeling                           | Quantitative<br>Engineering<br>Physiology                                |  |   |  |
| INFORMATION<br>TECHNOLOGY<br>(12- I T)                     | Management Science<br>(Common to CE, CSE,<br>IT,CEE)        | Design Patterns  | Web Services<br>(Common to CSE,<br>IT)                             | Adhoc & Sensors<br>Networks<br>(Common to CSE, IT)              | --   |
|  |   | Distributed Systems  | E - Commerce   |   |  |
|  |   | Storage Area Networks<br>(Common to CSE, IT)                             |  |   |  |
|  |   | Cloud Computing  |  |   |  |
| MECHANICAL<br>ENGINEERING<br>(MECHATRONICS)<br>(14-MCT)    | Automation in<br>Manufacturing                              | Artificial Neural Networks<br>(Common to ME,<br>ECE,EIE,MCT,ICE,MEP,MSNT | MEMS Design  | --  | --   |
|  | Production Planning &<br>Control (Common to<br>ME, MCT,MEP) | Principles of Entrepreneurship   |  |   |  |
|  | Concurrent Engineering                                      | Mathematical<br>Modeling and<br>Simulation                               |  |   |  |
|  | Plant Engineering &<br>Maintenance                          | Operating Systems  |  |   |  |
| ELECTRONICS<br>AND TELEMATICS<br>ENGINEERING<br>(17-E T M) | Network Security<br>(Common to<br>ECE,ETM,ECC)              | Cellular & Mobile<br>Communications<br>(Common to ECE,ETM,ECC)           | RF Circuit Design<br>(Common to<br>ECE,ETM)                        | Wireless<br>Communications &<br>Networks<br>(Common to ECE,ETM) | Internet Working<br>(Common to ECE,ETM)                                |
|  |   | Satellite<br>Communications<br>(Common to ECE,ETM)                       |  |   |  |
|  | Radar Systems<br>(Common to<br>ECE,ETM)                     | Bio-Medical Instrumentation<br>(Common to ECE,ETM)                       | Digital Design<br>Through Verilog<br>HDL<br>(Common to<br>ECE,ETM) |   |  |
|  | Wireless Sensor<br>Networks                                 | Microwave Engineering  | Pattern Recognition<br>(Common to<br>ECE,ETM)                      |   |  |

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| <b>METALLURGY AND MATERIAL TECHNOLOGY (18-M M T)</b>      | Composite Materials                                   | Super Alloys  | Light Metals And Alloys                      | --   |  |
|   | Advanced Materials                                    | Ferro Alloy Technology  |  |  |  |
|   | Nano Materials  | Nuclear Metallurgy  |  |  |  |
| <b>ELECTRONICS AND COMPUTER ENGINEERING (19-E C C)</b>    | Information Retrieval Systems                         | Multimedia And Rich Internet Applications                           |  | --   | Reliability Engineering (Common to EIE,BME, ECC,ICE ,MEP,MSNT) |
|   | Coding Theory And Techniques                          | Cellular & Mobile Communications (Common to ECE,ETM,ECC)            |  |  |  |
|   | Network Security (Common to ECE,ETM,ECC)              | Data Communication Systems  |  |  |  |
| <b>MECHANICAL ENGINEERING - PRODUCTION(20-MEP)</b>        | Production Planning & Control (Common to ME, MCT,MEP) | Artificial Neural Networks (Common to ME, ECE,EIE,MCT,ICE,MEP,MSNT) | Flexible Manufacturing Systems               | Plant Layout & Material Handling (Common to ME, AME,MEP) | Reliability Engineering (Common to EIE,BME,ECC, ICE,MEP,MSNT)  |
|   |   |   | Advanced Manufacturing Process               |  |  |
|   |   | Maintenance And Safety Engineering (Common to ME, AME,MEP)          | Product Design and Development               |  |  |
|   |   |   | Total Quality Management                     |  |  |
| <b>AERONAUTICAL ENGINEERING (21-A E)</b>                  | Avionics & Instrument Systems                         | Airport Planning And Operations                                     | Heat transfer                                | --   | --   |
|   |   | Analysis Of Composite Structures                                    | Launch Vehicle And Missile Technology        |  |  |
|   |   | Helicopter Engineering  | Wind Engineering And industrial Aerodynamics |  |  |
|   |   | Hypersonic Aerodynamics   | Aero elasticity                              |  |  |
| <b>INSTRUMENTATION AND CONTROL ENGINEERING (22-I C E)</b> | Distributed Computer Control Systems                  | Power Plant Instrumentation (Common to EIE, ICE)                    |  | PC Based Instrumentation (Common to EIE, ICE)            | Reliability Engineering (Common to EIE,BME,ECC, ICE,MEP,MSNT)  |
|   | Adaptive Control Systems (Common to EIE, ICE)         |   |  |  |  |
|   | Hydraulics and Pneumatic Control Systems              | Artificial Neural Networks (Common to ME, ECE,EIE,MCT,ICE,MEP,MSNT) |  |  |  |
| <b>BIOTECHNOLOGY (23-B O T)</b>                           | Animal Cell Science and Technology                    | Fundamentals Of Food Science and Technology                         | Clinical Trials & Regulatory Affairs         | --   | --   |
|   |   | Nano Biotechnology  |  |  |  |

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| AUTOMOBILE<br>ENGG.<br>(24 – AME)   | Alternate Fuels For<br>Automobiles | Vehicle Transport<br>Management  | Principles of<br>Entrepreneurship(Common<br>to AME,ACE)                            | Plant Layout<br>& Material Handling<br>(Common to ME,<br>AME,MEP) | --                    |
|                                     |                                    | Product Design and<br>Assembly Automation                                | Automation in<br>Manufacturing   |   |                       |
|                                     |                                    | Maintenance And<br>Safety Engineering<br>(Common to ME,<br>AME,MEP,MSNT) |  |   |                       |
|                                     |                                    | Reliability Engineering<br>(Common to ME, AME,<br>MIM)                   | Renewable Energy<br>Sources<br>(Common to ME,<br>AME,MSNT)                         |   |                       |
| MINING<br>ENGINEERING<br>(25 – MIE) | Mine Ground Control                | Planning Surface Of<br>Mining Project                                    | Geological &<br>Technological Factors<br>Of Coal<br>Gasification CBM, Shale<br>Gab | ---   | ---                   |
|                                     |                                    | Planning Of Underground<br>Coal Mining Project                           |  |   |                       |
|                                     |                                    | Planning Of Underground<br>Metal Mining Project                          | Mine Health & Safety<br>Engineering  |   |                       |
|                                     |                                    | Mine Electrical<br>Engineering   | Maintenance &<br>Reliability Engineering   |   |                       |
|                                     |                                    |  | Deep Sea Mining  |   |                       |
| MINING<br>MACHINERY<br>(26-MIM)     | Mine Legislation and<br>Safety     | Operations Research  | Automation And Robotics  | --  | ---                   |
|                                     |                                    | Reliability Engineering<br>(Common to ME, AME,<br>MIM)                   | Electrical Dives   |   |                       |
|                                     |                                    | Energy Conversion<br>Equipment   | Refrigeration And Air<br>Conditioning  |   |                       |
|                                     |                                    |  | Neural Networks &<br>Fuzzy Logic<br>(Common to EEE, MIM)                           |   |                       |
|                                     |                                    | Power Plant Engineering  |  |   |                       |

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|---|---|---|--|--|---|
| <b>PETROLEUM<br/>ENGINEERING(27-<br/>PTME)</b>                        | Enhanced Oil<br>Recovery<br>Techniques                | Membrane Technology<br>(Common to PTME,CHEM)                              | Optimization of Upstream<br>Processes                    |  |   |
|   |   | Petroleum Engineering Economics,<br>Policies & Laws                       | Petroleum Industry:<br>Management, Strategy<br>& Finance |  |   |
|   |   | Transport Phenomena   | Reservoir Stimulation                                    |  |   |
|   |   | Ground Water Pollution  |  |  |   |
| <b>CIVIL AND<br/>ENVIRONMENTAL<br/>ENGINEERING(28-<br/>CEE)</b>       | Management<br>Science (Common<br>to<br>CE,CSE,IT,CEE) | Water Quality Management  |  | Environmental Impact<br>Assessment and<br>Management         |   |
|   |   | Solid Waste Management  |  |  |   |
|   |   |   |  |  |   |
| <b>MATERIAL<br/>SCIENCE AND<br/>NANO<br/>TECHNOLOGY(29-<br/>MSNT)</b> | Nano Composites                                       | Artificial Neural Networks<br>(Common to ME,<br>ECE,EIE,MCT,ICE,MEP,MSNT) | Renewable Energy Sources<br>(Common to ME,<br>AME,MSNT)  | Nan toxicology   | Reliability<br>Engineering<br>(Common to<br>EIE,BME,ECC<br>,ICE,MEP,MSNT) |
|   |   |   |  | Bio Medical Application of<br>Nanotechnology                 |   |
|   |   | Maintenance And<br>Safety Engineering<br>(Common to ME,<br>AME,MEP,MSNT)  |  | Nanotechnologies for Water<br>and Environment<br>Application |   |
|   |   |   |  | Nanotechnology for Energy<br>Systems                         |   |
| <b>AGRICULTURE<br/>ENGINEERING(30-<br/>ACE)</b>                       | Design of<br>Agricultural<br>Machinery                | GIS and Remote Sensing  | Principles of<br>Entrepreneurship(Common<br>to AME,ACE)  |  |   |
|   |   | Production Technology of<br>Agricultural Machinery                        | Agricultural and Farm<br>Structures                      |  |   |
|   |   | Human Engineering and Safety  | Hydraulic Devices and<br>Control                         |  |   |

- (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.

Sd/-

DATE: 02-04-2016

CONTROLLER OF EXAMINATIONS