**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**

**KUKATPALLY - HYDERABAD – 500 085**

**E X A M I N A T I O N B R A N C H**

**IV YEAR B.TECH - II SEMESTER– R13- I MID TERM EXAMINATIONS, JANUARY-2017**

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

**TIME FN: 10.00 AM TO 11.30 AM**

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| **DATE&DAY** | | | |
| **BRANCH** | **28-01-2017FN**  **SATURDAY** | **30-01-2017 FN**  **MONDAY** | **31-01-2017 FN**  **TUESDAY** |
| **CIVIL**  **ENGINEERING**  **(01-C E)** | Construction Management  (comm to CE,CEE) | Prestressed Concrete Structures | Elective-Iv  Solid Waste Management |
| Design and Drawing of Irrigation Structures |
| Geo-Environmental Engineering |
| Rehabilitation and Retrofitting of Structures |
| **ELECTRICAL AND**  **ELECTRONICS**  **ENGINEERING**  **(02-E E E)** | Fundamentals of HVDC and FACTS Devices | Elective-III  Neural Networks and Fuzzy Logic | Elective-Iv  Advanced Control Systems |
| Principles of Reliability Engineering | EHV AC Transmission |
| Renewable Energy Sources | Introduction to Nanotechnology |
| **MECHANICAL**  **ENGINEERING**  **(03-M E)** | Production Planning and Control  (comm to ME,MEP) | Elective-III  Maintenance and Safety Engineering | Elective-IV  Renewable Energy Sources |
| Plant layout and Material Handling | Computational Fluid Dynamics |
| Total Quality Management | Gas Dynamics |
| Artificial Neural Networks | Jet Propulsion & Rocket Engineering |

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| **ELECTRONICS AND**  **COMMUNICATIONS**  **ENGINEERING**  **(04-E C E)** | Elective-III  Satellite Communications | Elective-IV  Telecommunication Switching Systems and Networks | Elective-V  wireless communications and networks |
| Biomedical Instrumentation | Network Security | Digital signal processors an architectures |
| Artificial Neural Networks | Radar Systems | RF Circuit Design |
| **COMPUTER**  **SCIENCE AND**  **ENGINEERING**  **(05-C S E)** | Management Science  (comm to CSE,IT,CST) | Elective-III  Web Services | Elective-IV  Ad hoc and Sensor Networks |
| Semantic Web and Social Networks | Storage Area Networks |
| Scripting Languages | Database Security |
| Multimedia & Rich Internet Applications | Embedded Systems |
| Predictive Analytics  (Associate Analytics- 3) |
| Information Security Incident Response & Management (Security Analyst- 3) |
| **CHEMICAL**  **ENGINEERING**  **(08-C H E M)** | Industrial Pollution & Control Engineering | Elective-III  Membrane Technology | Elective-IV  Food Processing Technology |
| Fluidization Engineering | Industrial safety and Hazard management |
| Technology of Pharmaceuticals and Fine Chemicals | Energy Engineering |
| **ELECTRONICS AND**  **INSTRUMENTATIO**  **N ENGINEERING**  **(10-E I E)** | Reliability Engineering  (comm to EIE,ICE) | Elective-III  Instrumentation Practice in Industries | Elective-IV  Neural Networks and Fuzzy Logic |
| MEMS Applications | Power Plant Instrumentation |
| SCADA & DCS | Digital Image Processing |

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| **BIO-MEDICAL**  **ENGINEERING**  **(11-B M E)** | Biomaterials | Elective-III  Reliability Engineering | Elective-IV  Robotics and Automation |
| Transportation Phenomena in living systems | Medical Informatics |
| Telemedicine | Biometric Systems |
| **INFORMATION**  **TECHNOLOGY**  **(12- I T)** | Management Science  (comm to CSE,IT,CST) | Elective-III  Web Services | Elective-IV  Multimedia & Rich Internet Applications |
| E – Commerce | Artificial Intelligence |
| Middleware Technologies | Storage Area Networks |
| Ad hoc and Sensor Networks | Machine Learning |
| Predictive Analytics (Associate Analytics 3) |
| Information Security Incident Response & Management (Security Analyst 3) |
| **MECHANICAL**  **ENGINEERING**  **(MECHATRONICS)**  **(14-MCT)** | Automation in manufacturing | Elective-III  Concurrent Engineering | Elective-IV  Mathematical Modeling and Simulation |
| MEMS Design | Matlab Applications |
| Plant Engineering & Maintenance | Principles of Entrepreneurship |
| Production Planning and Control | Artificial Neural Networks |

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| **ELECTRONICS AND**  **TELEMATICS**  **ENGINEERING**  **(17-E T M)** | Elective-III  Cellular and Mobile Communications | Elective-IV  Network Security | Elective-V  Pattern Recognition |
| Wireless communications and networks |
| RF Circuit Design |
| Radar Systems | Internetworking |
| Satellite Communications |
| Microwave Engineering |
| **METALLURGICAL**  **AND MATERIAL**  **ENGINEERING**  **(18-M M T)** | Composite Materials | Elective-III  Advanced Materials | Elective-IV  Ferro Alloy Technology |
| Nano Materials | Selection of Materials for Engineering Applications |
| Nuclear Metallurgy |
| Super Alloys |
| **ELECTRONICS AND**  **COMPUTER**  **ENGINEERING**  **(19-E COMP. C)** | Network Security | Elective-III  Information Systems | Elective-IV  Optical Communications |
| Telecommunications Switching Systems | Wireless Sensor Networks |
| Database Security | Real Time Operating Systems |
| **MECHANICAL**  **ENGINEERING**  **(PRODUCTION)**  **(20-M E P)** | Production planning and control  (comm to ME,MEP) | Elective-III  Reliability Engineering | Elective-IV  Principles of entrepreneurship |
| Maintenance and safety engineering | Flexible manufacturing systems |
| Mechanics of composite materials | Total Quality management |
| Plant layout & material handling | Product design and development |
| Artificial Neural Networks |

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| **BRANCH** | **28-01-2017 FN**  **SATURDAY** | **30-01-2017 FN**  **MONDAY** | **31-01-2017 FN**  **TUESDAY** |
| **AERONAUTICAL**  **ENGINEERING**  **(21-A E)** | Avionics & Instrument Systems | Elective-III  Airport Planning and Operations | Elective-IV  Aero elasticity |
| Analysis of Composite Structures | Launch Vehicle and Missile Technology |
| Helicopter Engineering | Wind Engineering and Industrial Aerodynamics |
| Hypersonic Aerodynamics |
| Heat Transfer |
| **INSTRUMENTATIO**  **N AND CONTROL**  **ENGINEERING**  **(22-I C E)** | Reliability Engineering  (comm to EIE,ICE) | Elective-III  Hydraulics and Pneumatic Control Systems | Elective-IV  Optimal Control Systems |
| Adaptive Control Systems | PC based Instrumentation |
| SCADA & Distributed Control Systems | Neural Networks and Fuzzy Logic |
| **BIOTECHNOLOGY**  **(23-B O T)** | Bioprocess optimization and plant design | Elective-IV  Food Biotechnology | Elective-V  Clinical Trials & Regulatory Affairs |
| Nano biotechnology | Metabolic Engineering |
| **AUTOMOBILE**  **ENGG.**  **(24 – AME)** | Alternative Fuels for Automobiles | Elective-III  Vehicle Transport Management | Elective-IV  Principles of Entrepreneurship |
| Product Design and Assembly Automation | Automation in Manufacturing |
| Maintenance and Safety Engineering | Renewable Energy Sources |
| Reliability Engineering | Plant layout and Material Handling |

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| **MINING**  **ENGINEERING**  **(25 – MIE)** | Mine Ground Control | Elective-III  Mine Electrical Engineering | Elective-IV  Deep Seam Mining |
| Planning of Surface Mining Project | Geological & Technological factors of Coal Gasification CBM, Shale Gab |
| Planning of underground coal  mining project | Maintenance & Reliability Engineering |
| Mine Health & Safety Engineering |
| Planning of underground metal  mining project |
| **MINING**  **MACHINERY**  **(26-MIM)** | Power plant engineering | Elective-III  Automation and robotics | Elective-IV  Operations research |
| Electrical drives | Reliabillity engineering |
| Refrigeration and Air conditioning | Renewable energy sources |
| Neural networks and fuzzy logic |
| **PETROLIUM ENGG.**  **(27 – PTME)** | Petroleum Engineering Economics, Policies & Laws | Elective-III  Membrane Technology | Elective-IV  Advanced Natural Gas Engineering |
| Reservoir Modeling & Simulation |
| Green Fuel Technologies |
| Multi-phase Flow in Porous Media | Natural Gas Hydrates |
| Reservoir Stimulation | Transport Phenomena |
| **CIVIL &**  **ENVIRONMENTAL**  **ENGINEERING**  **(28-C E E)** | Construction Management  (CE,CEE) | Environmental Impact Assessment | Elective-IV  Ground Improvement Techniques |
| Ground Water Pollution |
| Water Quality Management |

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| **MECHANICAL**  **ENGINEERING**  **(MATERRIAL**  **SCIENCE & NANO**  **TECHNOLOGY)**  **(29 – MSNT)** | Nano composites | Elective-III  Ariticial neural networks | Elective-IV  nanotoxicology |
| Maintenance and safety engineering | Biomedical application of nanotechnology |
| Renewable energy sources | Nanotechnologies for water and environment applications |
| Computational fluid dynamics | Nanotechnology for energy systems |
| **AGRICULTURE**  **ENGINEERING**  **(30 - ACE)** | Design of Agricultural Machinery | Elective-III  GIS and Remote Sensing | Elective-IV  Agricultural and Farm Structures |
| Human Engineering and Safety | Hydraulic Devices and Control |
| Design of Tractors | Principles of Entrepreneurship |
| **COMPUTER SCIENCE**  **& TECHNOLOGY**  **(31-CST)** | Management science  (comm to CSE,IT,CST) | Elective-III  Web Services | Elective-IV  multimedia &rich internet aPPlications |
| E-commerce | Artificial Intelligence |
| Middleware technologies | Storage Area networks |
| Ad hoc and sensor networks | Machine learning |
| Predictive Analytics  (Associate Analytics 3) |
| Information Security Incident Response & Management (Security Analyst 3) |

Note:

1. ANY OMISSIONS OR CLASHES IN THIS TIME TABLE MAY PLEASE BE INFORMED TO THE CONTROLLER OF EXAMINATIONS IMMEDIATELY.
2. EVEN IF GOVERNMENT DECLARES HOLIDAY ON ANY OF THE ABOVE DATES, THE EXAMINATIONS SHALL BE CONDUCTED AS USUAL
3. 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.

**Sd/-xxx**

**DATE: 17-01-2017** **CONTROLLER OF EXAMINATIONS**