**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**

 **REVISED**

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| **DATE&DAY** |
| **BRANCH** | **30-01-2017 FN****MONDAY** | **31-01-2017 FN****TUESDAY** | **01-02-2017 FN****WEDNESDAY** |
| **CIVIL****ENGINEERING****(01-C E)** | Construction Management(comm to CE,CEE) | Prestressed Concrete Structures | Elective-IvSolid 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-IIINeural Networks and Fuzzy Logic | Elective-IvAdvanced 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-IIIMaintenance and Safety Engineering | Elective-IVRenewable 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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| **DATE&DAY** |
| **BRANCH** | **30-01-2017 FN****MONDAY** | **31-01-2017 FN****TUESDAY** | **01-02-2017 FN****WEDNESDAY** |
| **ELECTRONICS AND****COMMUNICATIONS****ENGINEERING****(04-E C E)** | Elective-IIISatellite Communications | Elective-IVTelecommunication Switching Systems and Networks | Elective-Vwireless 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-IIIWeb Services | Elective-IVAd 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-IIIMembrane Technology | Elective-IVFood 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-IIIInstrumentation Practice in Industries | Elective-IVNeural Networks and Fuzzy Logic |
| MEMS Applications | Power Plant Instrumentation |
| SCADA & DCS | Digital Image Processing |

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| **DATE&DAY** |
| **BRANCH** | **30-01-2017 FN****MONDAY** | **31-01-2017 FN****TUESDAY** | **01-02-2017 FN****WEDNESDAY** |
| **BIO-MEDICAL****ENGINEERING****(11-B M E)** | Biomaterials | Elective-IIIReliability Engineering | Elective-IVRobotics 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-IIIWeb Services | Elective-IVMultimedia & 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-IIIConcurrent Engineering | Elective-IVMathematical Modeling and Simulation |
| MEMS Design | Matlab Applications |
| Plant Engineering & Maintenance | Principles of Entrepreneurship |
| Production Planning and Control | Artificial Neural Networks |

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| **DATE&DAY** |
| **BRANCH** | **30-01-2017 FN****MONDAY** | **31-01-2017 FN****TUESDAY** | **01-02-2017 FN****WEDNESDAY** |
| **ELECTRONICS AND****TELEMATICS****ENGINEERING****(17-E T M)** | Elective-IIICellular and Mobile Communications | Elective-IVNetwork Security | Elective-VPattern 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-IIIAdvanced Materials | Elective-IVFerro 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-IIIInformation Systems | Elective-IVOptical 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-IIIReliability Engineering | Elective-IVPrinciples 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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| **DATE&DAY** |
| **BRANCH** | **30-01-2017 FN****MONDAY** | **31-01-2017 FN****TUESDAY** | **01-02-2017 FN****WEDNESDAY** |
| **AERONAUTICAL****ENGINEERING****(21-A E)** | Avionics & Instrument Systems | Elective-IIIAirport Planning and Operations | Elective-IVAero 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-IIIHydraulics and Pneumatic Control Systems | Elective-IVOptimal 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-IVFood Biotechnology | Elective-VClinical Trials & Regulatory Affairs |
| Nano biotechnology | Metabolic Engineering |
| **AUTOMOBILE****ENGG.****(24 – AME)** | Alternative Fuels for Automobiles | Elective-IIIVehicle Transport Management | Elective-IVPrinciples 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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| **DATE&DAY** |
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| **MINING****ENGINEERING****(25 – MIE)** | Mine Ground Control | Elective-IIIMine Electrical Engineering | Elective-IVDeep Seam Mining |
| Planning of Surface Mining Project | Geological & Technological factors of Coal Gasification CBM, Shale Gab |
| Planning of underground coalmining project | Maintenance & Reliability Engineering |
| Mine Health & Safety Engineering |
| Planning of underground metalmining project |
| **MINING****MACHINERY****(26-MIM)** | Power plant engineering | Elective-IIIAutomation and robotics | Elective-IVOperations 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-IIIMembrane Technology | Elective-IVAdvanced 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-IVGround Improvement Techniques |
| Ground Water Pollution |
| Water Quality Management |

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| **BRANCH** | **30-01-2017 FN****MONDAY** | **31-01-2017 FN****TUESDAY** | **01-02-2017 FN****WEDNESDAY** |
| **MECHANICAL****ENGINEERING****(MATERRIAL****SCIENCE & NANO****TECHNOLOGY)****(29 – MSNT)** | Nano composites | Elective-IIIAriticial neural networks | Elective-IVnanotoxicology |
| 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-IIIGIS and Remote Sensing | Elective-IVAgricultural 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-IIIWeb Services | Elective-IVmultimedia &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.

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**DATE: 20-01-2017** **CONTROLLER OF EXAMINATIONS**