

# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

KUKATPALLY - HYDERABAD – 500085

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

IV YEAR B.TECH - I SEMESTER– R13 REGULATION-REGULAR EXAMINATIONS, NOVEMBER/DECEMBER-2016

T I M E T A B L E

T I M E : 2.00 PM TO 5:00 PM

BRANCH	18-11-2016 FRIDAY	22-11-2016 TUESDAY	24-11-2016 THURSDAY	28-11-2016 MONDAY	30-11-2016 WEDNESDAY	02-12-2016 FRIDAY
<b>CIVIL ENGINEERING (01-C E)</b>	Remote Sensing & GIS	Transportation Engineering -II	Estimating & Costing <b>CE,CEE</b>	Water Resources Engineering-II	Elective-II Finite Element Methods	Elective-III Advanced Structural Design
					Advanced Foundation Engineering	Earth and Rock fill Dams and Slope Stability
					Watershed Management	Water Resources Systems Analysis
					Air Pollution and Control	Industrial Waste Water Treatment
<b>ELECTRICAL AND ELECTRONICS ENGINEERING (02-E E E)</b>	Switch Gear and Protection	Utilization of Electrical Energy	Digital Signal Processing	Power System Operation and Control	Elective-I High Voltage Engineering	Elective-II Optimization Techniques
					VLSI Design	Electrical Distribution Systems
					Digital Control Systems	Electrical Estimation and Costing
					Data Structures	
<b>MECHANICAL ENGINEERING (03-M E)</b>	Operations Research <b>COMMON TO ME,MCT,MIE, MSNT,MEP</b>	Power Plant Engineering	<b>CAD/CAM COMMON TO ME,AE,AME,MSNT</b>	Instrumentatio n and Control Systems <b>COMMON TO ME,AME</b>	ELECTIVE – I Robotics	ELECTIVE – II Unconventional Machining Processes
					Mechanical Vibrations	CNC Technology
					Mechatronics	Automation in Manufacturing
					Mechanics of Composite Materials I	Design for Manufacturing
					Industrial Management	Nanotechnology

DATE: 21-10-2016

Sd/-  
**CONTROLLER OF EXAMINATIONS**

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EXAMINATION BRANCH

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<b>ELECTRONICS AND COMMUNICATIONS ENGINEERING (04-E C E)</b>	Management Science <b>COMMON TO ECE,ETM ,MMT</b>	Computer Networks <b>COMMON TO ECE,BME, ECC</b>	Microwave Engineering	Cellular and Mobile Communications	<u>Elective – I</u> Digital Image Processing	<u>Elective -II:</u> Television Engineering
					Multimedia and Signal Coding	Optical Communications
					Object Oriented Programming through Java	Embedded Systems Design
<b>COMPUTER SCIENCE AND ENGINEERING (05-C S E)</b>	Cloud Computing	Design Patterns <b>COMMON TO CSE,IT,CST,</b>	Data Warehousing and Data Mining	Linux Programming <b>COMMON TO CSE,ECC</b>	<u>ELECTIVE – I</u> Software Project Management	<u>ELECTIVE – II</u> Machine Learning
					Image processing and Pattern Recognition	Soft Computing
					Mobile Computing	Information Retrieval Systems
					Computer Graphics	Artificial Intelligence
					Operations Research	Computer Forensics
					Big data analytics(Associate analytics-II)	
Information Security assessments and credits(security analyst-2)						
<b>CHEMICAL ENGINEERING (08-C H E M)</b>	Transport Phenomena	Process Dynamics & Control	Chemical Process Equipment Design	Process Modeling and Simulation	Elective-I Biochemical Engineering	Elective - II Polymer Technology
					Computational Fluid Dynamics	Petroleum and Petrochemical Technology
					Nanotechnology	Chemical Process Optimization
<b>ELECTRONICS AND INSTRUMENTATION ENGINEERING (10-E I E)</b>	Analytical Instrumentation <b>COMMON TO EIE,ICE</b>	VLSI Design	Embedded Systems <b>COMMON TO EIE,ECC,ICE</b>	PC Based Instrumentation	<u>Elective –I</u> Telemetry and Telecontrol	<u>Elective – II</u> Computer Networks
					Optoelectronics & Laser Instrumentation	Digital Control Systems
					Robotics and Automation	Biomedical Instrumentation

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<b>BIO-MEDICAL ENGINEERING (11-B M E)</b>	Medical Image Processing	Computer Networks <b>COMMON TO BME,ECE,ECC</b>	Rehabilitation Engineering	Biomedical Signal Processing	<u>Elective – I</u> Lasers & Fiber Optic Instrumentation	<u>Elective – II</u> Embedded & Real Time Systems
					Artificial Neural Networks	VLSI Design
					Nanotechnology	DSP Processors & Architectures
<b>INFORMATION TECHNOLOGY (12- I T)</b>	Information Security <b>COMMON TO CST,IT</b>	Design Patterns <b>COMMON TO CSE,IT,CST,</b>	Mobile Application Development <b>COMMON TO CST,IT</b>	Information Retrieval Systems <b>COMMON TO CST,IT</b>	ELECTIVE – I Wireless Networks and Mobile Computing	<u>ELECTIVE – II</u> Software Project Management
					Image Processing and Pattern Recognition	Computer Graphics
					Soft Computing	Human Computer Interaction
					Semantic Web and Social Networks	Scripting Languages
					Operations Research	Computer Forensics
					Big data analytics(Associate analytics-II)	
					Information Security assessments and credits(security analyst-2)	
<b>MECHANICAL ENGINEERING (MECHATRONICS) (14-MCT)</b>	Operations Research <b>COMMON TO ME,MCT,MIE, MSNT,MEP</b>	Microprocessors and Micro Controllers	Robotics & its applications	Motion Control Design	<u>Elective-I</u> Product Design and Assembly Automation	<u>Elective-II</u> Power Plant Engineering
					Renewable Energy Sources	Computer Organization
					Computational Fluid Dynamics	Flexible Manufacturing System
					Data Structures	Advanced Kinematics and Dynamics of Machinery

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<b>ELECTRONICS AND TELEMATICS ENGINEERING (17-E T M)</b>	Management Science <b>COMMON TO ICE,ETM, MMT,</b>	Multimedia and Signal Coding	Advanced Tele communication Technologies	Electronic Measurements and Instrumentation	<u>Elective -I:</u> Digital Image Processing	<u>Elective -II:</u> Optical Communications
					Digital Signal Processors and Architectures	Digital Control Systems
					Spread Spectrum Communications	Embedded Systems Design
<b>METALLURGICAL AND MATERIAL ENGINEERING (18-M M T)</b>	Management Science <b>COMMON TO ICE,ETM, MMT</b>	Electro Metallurgy and Corrosion	Material Characterization Techniques	Non Destructive Testing	<u>Departmental Elective I</u> Ceramic Science and Technology	<u>Departmental Elective II</u> Semi Conductors and Magnetic Materials
					X- Ray Diffraction	Metallurgical Problems
					Light Metals and Alloys	Polymeric Materials
					Probability & Statistics	
<b>ELECTRONICS AND COMPUTER ENGINEERING (19-E C C)</b>	VLSI Design	Computer Networks <b>COMMON TO ECE,BME,ECC</b>	Embedded Systems <b>COMMON TO ECC,ICE,EIE</b>	Linux Programming <b>COMMON TO CSE,ECC</b>	<u>Elective – I</u> Cellular & Mobile Communications	<u>Elective – II</u> Digital Image Processing
					Artificial Intelligence	Cloud Computing
					Computer Graphics	Data Warehousing and Data Mining
<b>MECHANICAL ENGINEERING (PRODUCTION) (20-M E P)</b>	Operations Research <b>COMMON TO ME,MCT,MIE, MSNT,MEP</b>	Mechatronics & its applications	CAD/CAM <b>COMMON TO ME,AE,AME,MS NT</b>	Instrumentation and Control Systems	<u>ELECTIVE – I</u> Robotics	<u>ELECTIVE – II</u> Unconventional Machining Processes
					Computer Integrated Manufacturing	Precision engineering
					CNC Technology	Automation in Manufacturing
					Machine Tool Design	Design for Manufacturing & Assembly
					Engineering Optimization	Nanotechnology

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<b>AERONAUTICAL ENGINEERING (21-A E)</b>	Airframe Structural Design	Mechanical Vibrations and Structural Dynamics	CAD/CAM <b>COMMON TO ME,AE,AME,MSNT</b>	Control Theory – Application to Flight Control Systems	<u>Elective – I</u> Advanced Computational Aerodynamics	<u>Elective - II</u> Space Mechanics Experimental Aerodynamics
					Flight Scheduling and Operations	
					Mechanisms and Mechanical Design	Operations Research
					Theory of Elasticity	Aircraft Maintenance Engineering
					Probability and Statistics	
<b>INSTRUMENTATION AND CONTROL ENGINEERING (22-I C E)</b>	Analytical Instrumentation <b>COMMON TO ICE,EIE</b>	Computer Aided Design of Control Systems	Embedded Systems <b>COMMON TO ICE,ECC,EIE</b>	Digital Control Systems	<u>Elective – I</u> Object Oriented Programming Through JAVA	<u>Elective – II</u> Instrumentation and Control in Manufacturing systems Computer Networks
					Optoelectronic & Laser Instrumentation	
					Telemetry and Tele Control	Bio medical Instrumentation
<b>BIOTECHNOLOGY (23-B O T)</b>	Bio informatics	Transport Phenomena in Bioprocess	Downstream Processing	Animal Biotechnology	<u>ELECTIVE –II</u> Crop improvement	<u>ELECTIVE –III</u> Molecular pathogenesis Biopharmaceuticals
					Structural Biology	
					Cancer Biology	Introduction to Biomaterials
					Artificial Neural Networks	
<b>AUTOMOBILE ENGG. (24 – AME)</b>	Automotive Electrical and Autotronics	Automotive chassis and Suspension	CAD/CAM <b>COMMON TO ME,AE,AME,MSNT</b>	Instrumentation and Control Systems <b>COMMON TO ME,AME</b>	<u>ELECTIVE – I</u> Metrology & Surface Engineering	<u>ELECTIVE – II</u> Micro Processors and Micro Controllers Computational Fluid Dynamics Finite Element Methods
					Automotive Pollution and Control	
					Mechatronics	Vehicle Body Engineering and Safety
					Mechanical Vibrations	Operations Research
					Robotics	

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<b>MINING ENGINEERING (25 – MIE)</b>	Operations Research <b>COMMON TO ME,MCT,MIE ,MSNT,MEP,</b>	Rock Mechanics	Mineral Processing	Mine Legislation	<u>Elective-I</u> Rock Slope Engineering	<u>Elective-II</u> Computer Applications in Mining
					Mine Subsidence Engineering	Mine Construction Engineering
					Rock Excavation Engineering	Tunneling Engineering
					Rock Fragmentation Engineering	Strata Control Technology
<b>MINING MACHINERY (26-MIM)</b>	Material Handling in Mines	Mine Electrical Engineering	Automobile Engineering	Metrology and Machine Tools	<u>Elective-I</u> Principle s of Tribology	<u>Elective-II</u> Underground Production Equipment
					Mechanical Systems Design	Maintenance Engineering
					Microprocessors and microcontrollers	System Modeling and Simulation
					Mechatronics	
<b>PETROLIUM ENGG. (27 – PTME)</b>	Enhanced oil Recovery Techniques	Petroleum Refinery Engineering	Health, Safety & Environment in Petroleum Industry	Petroleum Management, Marketing & Finan ce	<u>Elective - I</u> Natural Gas Processing	<u>ELECTIVE - II</u> Offshore Engineering
					Coal Bed Methane Engineering	Horizontal Well Technology
					Petro Chemical Engineering	Optimization of Upstream Processes
					Mass Transfer Operations	Chemical Reaction Engineering-1
					Material Science	
<b>CIVIL &amp; ENVIRONMENTAL ENGINEERING (28-C E E)</b>	Transportation Engineering	Solid waste Management	Estimating & Costing <b>COMMON TO CE,CEE</b>	Air Pollution and Control	<u>Elective-II</u> Industrial Waste Water Treatment	<u>Elective-III</u> _Environmental Sanitation
					Environmental Pollution of Soil & Remediation	Finite Element Methods
					Watershed Management	Remote Sensing & GIS

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<b>MECHANICAL ENGINEERING (MATERIAL SCIENCE &amp; NANO TECHNOLOGY) (29 – MSNT)</b>	Operations Research <b>COMMON TO ME,MCT,MIE, MSNT,MEP</b>	Carbon Nano Tubes and their Applications	CAD/CAM <b>COMMON TO ME,AE,AME,MSNT</b>	Metrology Instrumentation and Control Systems	<u>ELECTIVE - I</u> Robotics	<u>ELECTIVE - II</u> Mechanical behavior of Nano Materials
					Mechanical Vibrations	Nano Sensors and Actuators
					CNC Technology	<b>MEMS/ NEMS Design and Applications</b>
					Mechanics of Composite Materials Automobile Engineering	Surface Engineering
<b>AGRICULTURE ENGINEERING (30 - ACE)</b>	Micro Irrigation Engineering	Farm Machinery and Equipments-I	Post Harvest Engineering for Horticulture Produce	Agro Industries and Bi- product Utilization	<u>ELECTIVE - I</u> Operations Research	<u>ELECTIVE - II</u> Watershed Planning and Management
					Drying and Storage Engineering	Mechanical Measurements and Instrumentation
					Managerial economics & financial Analysis	Computational Fluid Dynamics
					Food Processing Plant Design and Layout	
<b>COMPUTER SCIENCE &amp; TECHNOLOGY (31-CST)</b>	Information Security <b>COMMON TO CST,IT</b>	Design Patterns <b>COMMON TO CST,CSE,IT</b>	Mobile Application Development <b>COMMON TO CST, IT</b>	Information Retrieval Systems <b>COMMON TO CST, IT</b>	<u>ELECTIVE - I</u> Wireless Networks and Mobile Computing	<u>ELECTIVE - II</u> Software Project Management
					Image Processing and Pattern Recognition	Computer Graphics
					Soft Computing	Human Computer Interaction
					Semantic Web and Social Networks	Scripting Languages
					Operations Research	Computer Forensics

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.

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