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 -I SEMESTER– R13- II MID TERM EXAMINATIONS, NOVEMBER 2016
T I M E T A B L E

TIME→ FN: 10.00 AM TO 11.30 AM
AN: 02:00 PM TO 03:30 PM

BRANCH	05-11-2016 (FN) SATURDAY	07-11-2016 (FN) MONDAY	07-11-2016 (AN) MONDAY	08-11-2016 (FN) TUESDAY	09-11-2016 (FN) WEDNESDAY	10-11-2016 (FN) THURSDAY
CIVIL ENGINEERING (01-C E)	Remote Sensing & GIS	Transportation Engineering -II	Estimating & Costing **COMMON TO CE,CEE**	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
ELECTRICAL AND ELECTRONICS ENGINEERING (02-E E E)	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	
MECHANICAL ENGINEERING (03-M E)	Operations Research **COMMON TO ME,MCT,MIE, MSNT,MEP**	Power Plant Engineering	CAD/CAM **COMMON TO ME,AE,AME,MSNT**	Instrumentation and Control Systems **COMMON TO ME,AME**	ELECTIVE – I Robotics	ELECTIVE – II Unconventional Machining Processes
					Mechanical Vibrations	CNC Technology
					Mechatronics	Automation in Manufacturing
					Composite Materials I	Design for Manufacturing
					Industrial Management	Nanotechnology

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

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

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

BRANCH	05-11-2016 (FN) SATURDAY	07-11-016 (FN) MONDAY	07-11-2016 (FN) MONDAY	08-11-2016 (FN) TUESDAY	09-11-2016 (FN) WEDNESDAY	10-11-2016 (FN) THURSDAY
AERONAUTICAL ENGINEERING (21-A E)	Airframe Structural Design	Mechanical Vibrations and Structural Dynamics	CAD/CAM **COMMON TO ME,AE,AME,MSNT**	Control Theory – Application to Flight Control Systems	Elective – I Advanced Computational Aerodynamics Flight Scheduling and Operations Mechanisms and Mechanical Design Theory of Elasticity Probability and Statistics	Elective - II Space Mechanics Experimental Aerodynamics Operations Research Aircraft Maintenance Engineering
INSTRUMENTATION AND CONTROL ENGINEERING (22-I C E)	Analytical Instrumentation **COMMON TO ICE,EIE**	Computer Aided Design of Control Systems	Embedded Systems **COMMON TO ICE,ECC,EIE**	Digital Control Systems	Elective – I Object Oriented Programming Through JAVA Optoelectronic & Laser Instrumentation Telemetry and Tele Control	Elective – II Instrumentation and Control in Manufacturing systems Computer Networks Bio medical Instrumentation
BIOTECHNOLOGY (23-B O T)	Bio informatics	Transport Phenomena in Bioprocess	Downstream Processing	Animal Biotechnology	ELECTIVE –II Crop improvement Structural Biology Cancer Biology Artificial Neural Networks	ELECTIVE –III Molecular pathogenesis Biopharmaceuticals Introduction to Biomaterials
AUTOMOBILE ENGG. (24 – AME)	Automotive Electrical and Autotronics	Automotive chassis and Suspension	CAD/CAM **COMMON TO ME,AE,AME,MSNT**	Instrumentation and Control Systems **COMMON TO ME,AME**	ELECTIVE – I Metrology & Surface Engineering Automotive Pollution and Control Mechatronics Mechanical Vibrations Robotics	ELECTIVE – II Micro Processors and Micro Controllers Computational Fluid Dynamics Finite Element Methods Vehicle Body Engineering and Safety Operations Research

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

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

DATE:13-10-2016

Sd/-
CONTROLLER OF EXAMINATIONS