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

M.TECH-II SEMESTER -R17 REGULATION SUPPLEMENTARY EXAMINATIONS OCTOBER-2020

T I M E T A B L E **TIME : 10:30 AM TO 12:30 PM**

COURSE	12-10-2020 MONDAY	14-10-2020 WEDNESDAY	16-10-2020 FRIDAY	20-10-2020 TUESDAY	22-10-2020 THURSDAY	28-10-2020 WEDNESDAY	31-10-2020 SATURDAY	03-11-2020 TUESDAY
CAD/CAM-04	ELECTIVE-III Special Manufacturing Process	Flexible Manufacturing Systems	Industrial Robotics	Design for Manufacturing And Assembly	(OE-II) Finite Element Method Optimization Techniques Industrial Instrumentation Principles of Computer Communications and Networks Energy From Waste Distributed Generation and Microgrid Reliability Engineering Machine Learning	(ELECTIVE-IV) Advanced Mechatronics MEMS and Micro Systems: Design and Manufacturing Fuzzy Logic and Neural Networks	(ELECTIVE-III) Optimization Techniques and Applications	(ELECTIVE-III) Intelligent Manufacturing Systems
COMPUTR SCIENCE-05	Network Programming	Elective-IV Software Process and Project Management	Distributed Systems and Cloud Computing	(ELECTIVE-III) Data Warehousing and Data Mining Storage Area Networks Semantic Web and Social Networks	(OE-II) Finite Element Method Optimization Techniques Industrial Instrumentation Principles of Computer Communications and Networks Energy From Waste Distributed Generation and Microgrid Reliability Engineering Engineering Research Methodology	(ELECTIVE-IV) Big Data Analytics Soft Computing Machine Learning	(ELECTIVE-III) Cyber Security	Theory of Computation

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DIGITAL SYSTEM &COMPUTER ELECTRONICS -06	Advanced Computer Architecture	Design of Fault Tolerant Systems	Embedded System Design	(E-III) Virtual Instrumentation Network Security and Cryptography	(OE-II) Finite Element Method Optimization Techniques Energy From Waste Distributed Generation and Microgrid Reliability Engineering Engineering Research Methodology Machine Learning	(Elective-IV) Verilog Hardware Description Language Adhoc Wireless Networks	(Elective-IV) System On Chip Architectures	(E-III) Scripting Languages
ELECTRICAL POWER SYSTEMS – 07	Power System Dynamics and Control		Power System Operation and Deregulation	(Elective -III) Gas Insulated Systems(GIS) Programmable Logic Controllers and their applications Energy Auditing Conservation and Management	(OE-II) Finite Element Method Optimization Techniques Industrial Instrumentation Principles Of Computer Communications And Networks Machine Learning Engineering Research Methodology	Elective -IV) Reactive Power Compensation and Management Power System Reliability Voltage Stability		Flexible AC Transmission Systems (FACTS)

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Environmental Engineering-11	Air Pollution and Control	Industrial Waste Water Treatment	Solid Waste Management	(Elective -III) Ground Water Contamination and Remediation Disaster Management Water Quality Modeling	(OE-II) Industrial Instrumentation Principles of Computer Communications and Networks Energy From Waste Distributed Generation and Microgrid Reliability Engineering Engineering Research Methodology Machine Learning	Elective -IV) Environmental Geotechnology Environmental Biotechnology Hazardous Waste management		
Machine Design-15	Experimental Stress Analysis(ST)	Analysis & Synthesis of Mechanisms	(Elective –III) Industrial Robotics Product Design & Development	(Elective –III) Fuzzy logic & Neural Networks	(OE-II) Finite Element Method Optimization Techniques Industrial Instrumentation Principles of Computer Communications and Networks Energy From Waste Distributed Generation and Microgrid Reliability Engineering Machine Learning Mechanical Behavior of Engineering Materials (ST)	(Elective –IV) Vehicle Dynamics Design and Analysis of Experiments Structural Health Monitoring	Finite Element Analysis	Engineering Design

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Production Engineering -16	Advanced Manufacturing Processes	E-IV Performance Modeling & Analysis Of Manufacturing System Advanced Finite Element Methods	Advanced Tool Design	(Elective –III) Material Technology Additive manufacturing Technologies	(OE-II) Finite Element Method Optimization Techniques Industrial Instrumentation Principles of Computer Communications and Networks Energy From Waste Distributed Generation and Microgrid Reliability Engineering Machine Learning	(Elective –III) Vibration Analysis & Condition Monitoring	(E-IV) Experimental Techniques &Data Analysis	(Core) Computer Aided Process Planning
Structural Engineering -20	Pre-stressed Concrete	Theory of Plates	(Elective –IV) Repair & Rehabilitation of Buildings	core Advanced Steel Design	(OE-II) Industrial Instrumentation Principles of Computer Communications and Networks Energy From Waste Distributed Generation and Microgrid Reliability Engineering Engineering Research Methodology Machine Learning	(Elective –IV) Earthquake Resistant Design of Buildings	(Elective –IV) Stability of Structures	(E-III) Finite Element Method Bridge Engineering Design of Substructures

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Thermal Engineering- 21	Refrigeration and Air Conditioning	(E-III) Advanced Finite Element Methods	Computational Fluid Dynamics	(Elective –III) Alternate Fuels for I.C. Engines	(OE-II) Finite Element Method	(Elective –IV) Convective Heat Transfer		Advanced I.C. Engines
					Optimization Techniques			
				Turbo machines & Propulsion Systems	Industrial Instrumentation	Equipment Design For Thermal Systems		
					Principles of Computer Communications and Networks	Computer Simulation of SI & CI Engine		
					Energy From Waste			
					Distributed Generation and Microgrid			
					Reliability Engineering			
					Machine Learning			
Transportation Engineering -22	Traffic Analysis	Land Use Transportation Modeling	(Elective –III) Airport Engineering	Pavement Analysis and Design	(OE-II) Industrial Instrumentation	(Elective –IV) Pavement Construction Maintenance and Management	(Elective –III) Environmental Impact assessment for Transportation Projects	(Elective –III) Highway Project Formulation & Economics
					Principles of Computer Communications and Networks			
					Energy From Waste			
					Distributed Generation and Microgrid	Intelligent transportation systems		
					Reliability Engineering	Rural Roads		
					Engineering Research Methodology			
					Machine Learning			

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Software Engineering-25	Software Architecture and Design Patterns	Software Process and Project Management	Software Quality Assurance and Testing	(Elective –III) Semantic Web and Social Networks	(OE-II) Finite Element Method	(Elective –IV) Software Security Engineering	(Elective –IV Cyber Security	(Elective –III) Scripting Languages
					Optimization Techniques			Information Retrieval Systems
					Industrial Instrumentation	Information Security And Audit		
					Principles of Computer Communications and Networks	Systems Engineering		E - Commerce
					Energy From Waste			
					Distributed Generation and Microgrid			
					Reliability Engineering			
					Engineering Research Methodology			

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Microwave & Radar engineering -30	Radar Signals and Processing Techniques	(Elective –IV) Radar Signal Processing	Microwave Solid State Devices	(Elective –III) Broadband Communications	OE-II Finite Element Method	(Elective –IV) Smart Antennas	(Elective –IV)	core Microwave Antenna Theory & Design
					Optimization Techniques		Microwave Integrated Circuits	
				Phased Array Systems	Energy From Waste			
				EMI / EMC	Distributed Generation and Microgrid			
					Reliability Engineering			
					Engineering Research Methodology			
					Machine Learning			
Advanced Manufacturing Systems -33	Manufacturing Systems: Simulation Modeling & Analysis	Performance Modeling & Analysis of Manufacturing Systems	(Elective –III) Industrial Robotics	Materials Technology	OE-II Finite Element Method	(Elective –IV) Total Quality Management	(Elective –III) Quality Engineering in Manufacturing	(Elective –III)
					Optimization Techniques	Vibrational Analysis & Conditioning Monitoring		Advanced Tool Design
					Industrial Instrumentation			
					Principles of Computer Communications and Networks	Concurrent Engineering & Product life cycle Management		
					Energy From Waste			
					Distributed Generation and Microgrid			
					Reliability Engineering			
					Machine Learning			

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Digital Electronics and communication systems/engg-38	Detection and Estimation Theory	(Elective –IV) Digital Signal Processors and Architectures EMI / EMC	Design of Fault Tolerant Systems	Elective-III Software Defined Radio Cellular and Mobile Communications	OE-II Finite Element Method Optimization Techniques Energy From Waste Distributed Generation And Microgrid Reliability Engineering Engineering Research Methodology Machine Learning	(Elective –IV) Network Security And Cryptography	Elective-III System on Chip Architecture	Wireless Communications and Networks
Information Technology-40	Machine Learning with R	Mobile Application Development	(Elective –IV) Software Quality Assurance and Testing Cyber Security and Forensics	(Elective –III) Information Security And Audit Internet Technologies and Services Semantic Web and Social Networks Embedded Systems	(OE-II) Finite Element Method Optimization Techniques Industrial Instrumentation Principles Of Computer Communications And Networks Energy From Waste Distributed Generation And Microgrid Reliability Engineering Engineering Research Methodology	Software Engineering	(Elective –IV) Cloud Computing and Distributed Computing	(Elective –IV) E-Commerce

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Power and Industrial Drives -42	Power Electronic Applications to Renewable Energy	Embedded Systems for Power Electronic Applications	Power Electronic Control of Drives		(OE-II) Finite Element Method Optimization Techniques Industrial Instrumentation Principles Of Computer Communications And Networks Engineering Research Methodology Machine Learning	(Elective –IV) Dynamics of Electrical Machines Hybrid Electric Vehicles Smart Grid Technologies	(Elective –III) Switched Mode Power Supplies (SMPS) HVDC & FACTS AI Techniques in Electrical Engineering	
Power Electronics -43	Power Electronic Applications to Renewable Energy	Embedded Systems for Power Electronic Applications	Power Electronic Control of Drives		(OE-II) Finite Element Method Optimization Techniques Industrial Instrumentation Principles Of Computer Communications And Networks Engineering Research Methodology Machine Learning	(Elective –IV) Dynamics of Electrical Machines Hybrid Electric Vehicles Smart Grid Technologies	(Elective –III) Switched Mode Power Supplies (SMPS) HVDC & FACTS AI Techniques in Electrical Engineering	

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Systems and Signal processing -45	Detection and Estimation Theory	Digital Signal Processors and Architectures	(Elective –III) Embedded System Design	CORE Image and Video Processing	OE-II Finite Element Method Optimization Techniques Energy From Waste Distributed Generation And Microgrid Reliability Engineering Engineering Research Methodology Machine Learning	(Elective –III) Spread Spectrum Communication Speech Signal Processing	(Elective –IV) System on Chip Architecture	(Elective –IV) Coding Theory and Techniques Wireless Communications and Networks
Electrical Power Engineering -49	Power System Dynamics and Control		Power System Operation and Deregulation	(Elective -III) Gas Insulated Systems(GIS) Programmable Logic Controllers and their applications Energy Auditing Conservation and Management	(OE-II) Finite Element Method Optimization Techniques Industrial Instrumentation Principles of Computer Communications and Networks Engineering Research Methodology Machine Learning	Elective -IV) Reactive Power Compensation and Management Power System Reliability Voltage Stabiity		Flexible AC Transmission Systems (FACTS)

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Design for manufacturing-52	Design of Hydraulic & Pneumatic Systems	(Elective –III) Product Data Management	Advanced Tool Design	(Elective –III) Intelligent Manufacturing Systems	OE-II Finite Element Method	(Elective –IV) Smart Materials & Structures	(Elective –IV) Optimization Techniques and Applications	Precision Engineering
					Optimization Techniques	Vibration Analysis & Condition Monitoring		
					Industrial Instrumentation			
				Fuzzy Logic and Neural Networks	Energy From Waste			
					Distributed Generation And Microgrid			
					Reliability Engineering			
					Machine Learning			
					Principles Of Computer Communications And Networks			
Power Electronics and Electric Drives -54	Power Electronic Applications to Renewable Energy	Embedded Systems for Power Electronic Applications	Power Electronic Control of Drives		(OE-II) Finite Element Method	(Elective –IV) Dynamics of Electrical Machines	(Elective –III) Switched Mode Power Supplies (SMPS)	
					Optimization Techniques			
					Industrial Instrumentation	Hybrid Electric Vehicles	HVDC & FACTS	
					Principles Of Computer Communications And Networks	Smart Grid Technologies	AI Techniques in Electrical Engineering	
					Engineering Research Methodology			
					Machine Learning			

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Embedded Systems -55	(Elective –IV) Hardware Software Co-Design	(Core) Embedded Computing	Sensors and Actuators	(Elective –IV) Advanced Digital Signal Processing Network Security and Cryptography	OE-II Finite Element Method Optimization Techniques Energy From Waste Distributed Generation And Microgrid Reliability Engineering Engineering Research Methodology Machine Learning		CORE System on Chip Architecture	(Elective –III) Design for Testability Scripting Languages Wireless Communication and Networks
VLSI system Design/VLSI Design -57	Low Power VLSI Design	CMOS Mixed Signal Circuit Design	Design For Testability	(Elective –IV) RF IC Design	(OE-II) Finite Element Method Optimization Techniques Energy From Waste Distributed Generation And Microgrid Reliability Engineering Engineering Research Methodology Machine Learning	(Elective –III) VLSI and DSP Architectures Full custom IC Design Verilog Hardware Description Language	(Elective –IV) System On Chip Architecture	(Elective –IV) Scripting Languages

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Computer Science Engineering -58	Network Programming	Elective-IV Software Process and Project Management	Distributed Systems and Cloud Computing	(Elective –III) Data Warehousing and Data Mining	(OE-II) Finite Element Method	(Elective –IV) Big Data Analytics	(Elective –III) Cyber Security	Theory of Computation
					Optimization Techniques	Soft Computing		
				Storage Area Networks	Industrial Instrumentation	Machine Learning		
				Semantic Web and Social Networks	Principles Of Computer Communications And Networks			
					Energy From Waste			
					Distributed Generation And Microgrid			
					Reliability Engineering			
					Engineering Research Methodology			
Communicatin Systems -61	Advanced Communications and Networks	3G Networks	(E3) Wireless MIMO Communications	(E3) Wireless LANs and PANs	OE-II Finite Element Method	(E4) Network Security and Cryptography	(E4) Optical Communications and Networks	Coding Theory and Techniques
					Optimization Techniques			
				Ad-hoc Wireless Networks	Energy From Waste	Multimedia and Signal Coding		
					Distributed Generation And Microgrid			
					Reliability Engineering			
					Engineering Research Methodology			
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Web Technologies -62	(Elective –III) Software Architecture and Design Patterns	Mobile Application Development	Internet Of Things	(Elective –III) Human Computer Interaction	OE-II Finite Element Method	(Elective –IV) Big Data Analytics	(Elective –IV) Cloud Computing	Web Services and Service Oriented Architecture
					Optimization Techniques			
				Cyber Security	Industrial Instrumentation	Distributed Systems		
				Computer Forensics	Principles Of Computer Communications And Networks	Distributed Computing		
					Energy From Waste			
					Distributed Generation And Microgrid			
					Reliability Engineering			
					Engineering Research Methodology			
power engineering & energy systems 64	Modern Control Theory		Smart Grid Technologies	(Elective-III) Energy Auditing Conservation and Management	(OE-II) Finite Element Method	(Elective-IV) Reactive Power Compensation and Management		Flexible AC Transmission Systems (FACTS)
					Optimization Techniques			
					Industrial Instrumentation			
				Programmable Logic Controllers and their applications	Principles Of Computer Communications And Networks	Power System Reliability		
					Engineering Research Methodology	Voltage Stability		
				High Frequency Magnetic Components	Machine Learning			

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Wireless and Mobile Communication -65	Advanced Communication Systems	(Elective –IV) Software Defined Radio 3G Networks	Adhoc Wireless Networks	(Elective –III) Optical Communications and Networks Wireless LANs and PANs	OE-II Finite Element Method Optimization Techniques Energy From Waste Distributed Generation And Microgrid Reliability Engineering Engineering Research Methodology Machine Learning	(Elective –IV) Network Security and Cryptography	Spread Spectrum Communications	(Elective –III) Wireless Sensor Networks
VLSI and Embedded Systems -68	Low Power VLSI Design	CMOS Mixed Signal Circuit Design	Real Time Operating Systems	(Elective –III) Embedded Networking Advanced Digital Signal Processing	OE-II Finite Element Method Optimization Techniques Energy From Waste Distributed Generation And Microgrid Reliability Engineering Engineering Research Methodology Machine Learning	(Elective –IV) Physical Design Automation	(Elective –III) System On Chip Architecture	(Elective –IV) Design for Testability Scripting Languages
Electronics and Communication Engineering-70	E-IV Optical Communications and Networks	Elective -IV Design of Fault Tolerant Systems	Embedded System Design	E-IV Image and Video Processing	OE-II Finite Element Method Optimization Techniques Energy From Waste Distributed Generation And Microgrid Reliability Engineering Engineering Research Methodology Machine Learning	(Elective –III) Spread Spectrum Communications Network Security And Cryptography Adaptive Signal Processing	System on Chip Architectures	Wireless Communications and Networks

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Control Systems -75	Optimal Control Theory	Adaptive and Learning Control	Embedded Systems and Control	(Elective –IV) Advanced Digital Signal Processing	OE-II Finite Element Method Optimization Techniques Industrial Instrumentation Principles Of Computer Communications And Networks Engineering Research Methodology Machine Learning	(Elective –III) Programmable Logic Controllers and Applications Robust Control	(Elective –IV) Real Time Systems Robotics and Control	(Elective –III) Non-linear Systems
Embedded Systems & VLSI Design-77	Low Power VLSI Design	CMOS Mixed Signal Circuit Design	Real Time Operating Systems	(Elective –III) Advanced Digital Signal Processing Embedded Networking	OE-II Finite Element Method Optimization Techniques Energy From Waste Distributed Generation And Microgrid Reliability Engineering Engineering Research Methodology Machine Learning	(Elective –IV) Physical Design Automation	(Elective –III) System On Chip Architecture	(Elective – IV) Design for Testability Scripting Languages

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Computer Networks and Information Security -78	Network Programming	Wireless Networks	ELECTIVE-III Internet Technologies and Services	ELECTIVE-III Digital Water Marking and Steganography Big Data Analytics Network Security Standards and Applications Evaluation	(OE-II) Finite Element Method Optimization Techniques Industrial Instrumentation Principles Of Computer Communications And Networks Energy From Waste Distributed Generation And Microgrid Reliability Engineering Engineering Research Methodology	(Elective –IV) Storage Area Networks Ethical Hacking Information Systems control and Audit	(Elective –IV) Cyber Security	IT Security-Threats and Vulnerability
Mechatronics -80	Micro Controller & Applications	Additive Manufacturing Technologies	Industrial Robotics	(Elective –III) Design for Manufacture & Assembly Fuzzy Logic & Neural Networks	OE-II Finite Element Method Optimization Techniques Industrial Instrumentation Principles Of Computer Communications And Networks Energy From Waste Distributed Generation And Microgrid Reliability Engineering Machine Learning	ELECTIVE-IV Computer Aided Metrology & Machine Vision Nano Composites-Design & Synthesis	(Elective –III) MEMS	(Elective –IV) Intelligent Manufacturing Systems

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COURSE	12-10-2020 MONDAY	14-10-2020 WEDNESDAY	16-10-2020 FRIDAY	20-10-2020 TUESDAY	22-10-2020 THURSDAY	28-10-2020 WEDNESDAY	31-10-2020 SATURDAY	03-11-2020 TUESDAY
Computer Networks -82	Network Programming	Wireless Networks	(Elective –III) Internet Technologies and Services	(Elective –III) Digital Water Marking and Steganography Big Data Analytics Network Security Standards and Applications Evaluation	(OE-II) Finite Element Method Optimization Techniques Industrial Instrumentation Principles Of Computer Communications And Networks Energy From Waste Distributed Generation And Microgrid Reliability Engineering Engineering Research Methodology	(Elective –IV) Storage Area Networks Ethical Hacking Information Systems Control And Audit	(Elective –IV) Cyber Security	IT Security-Threats and Vulnerability
Highway Engineering -87	(Elective-III) Traffic Analysis	(Elective –III) Land use and Transportation Modeling Environmental Impact Assessment for Transportation Projects	(Elective –IV) Airport Engineering	Pavement Analysis and Design	(OE-II) Industrial Instrumentation Principles Of Computer Communications And Networks Energy From Waste Distributed Generation And Microgrid Reliability Engineering Engineering Research Methodology Machine Learning	(Elective –IV) Intelligent transportation systems Rural Roads	Pavement Construction, Maintenance & Management	Highway Project Formulation and Economics

DATE: 30/09/2020

Sd/-

CONTROLLER OF EXAMINATIONS

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

M.TECH-II SEMESTER -R17 REGULATION SUPPLEMENTARY EXAMINATIONS OCTOBER-2020

T I M E T A B L E

TIME : 10:30 AM TO 12:30 PM

COURSE	12-10-2020 MONDAY	14-10-2020 WEDNESDAY	16-10-2020 FRIDAY	20-10-2020 TUESDAY	22-10-2020 THURSDAY	28-10-2020 WEDNESDAY	31-10-2020 SATURDAY	03-11-2020 TUESDAY
Electronics and Instrumentation -88	Industrial Automation		Sensors and Actuators	(Elective –III) Advanced Instrumentation Systems	(OE-II) Finite Element Method Optimization Techniques Energy From Waste Distributed Generation and Microgrid Reliability Engineering Engineering Research Methodology Machine Learning	(Elective –IV) MEMS and Applications Robotic Design and Control Advanced Image Processing	Advanced Process Control Instrumentation	(Elective-iii) Instrumentation Practices in Industries Quality and Reliability Engineering
Heating Ventilation & Air Conditioning -91	Advanced Heat Transfer	Ventilation Systems	Heating systems	(Elective –III) Refrigeration Air Condition Equipment & Control Systems Ducting And Air-Conditioning Supply Systems Energy Storage Systems	(OE-II) Finite Element Method Optimization Techniques Industrial Instrumentation Principles Of Computer Communications And Networks Energy From Waste Distributed Generation And Microgrid Reliability Engineering Machine Learning	(Elective –IV) Energy Conversion and Management Automotive Air Conditioning Maintenance of Refrigeration & Air Conditioning Equipment		
Systems and Signal processing -93	Detection and Estimation Theory	Digital Signal Processors and Architectures	(Elective –III) Embedded System Design	CORE Image and Video Processing	OE-II Finite Element Method Optimization Techniques Energy From Waste Distributed Generation And Microgrid Reliability Engineering Engineering Research Methodology Machine Learning	(Elective –III) Spread Spectrum Communication Speech Signal Processing	Elective –IV) System on Chip Architecture	Elective –IV) Coding Theory and Techniques Wireless Communications and Networks

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Engineering Design -95	Experimental Stress Analysis	Advanced Finite Element Methods	(Elective –III) Industrial Robotics	(Elective –III) Fuzzy logic & Neural Networks	OE-II Finite Element Method	(Elective –IV) Vehicle Dynamics	(Elective –III) Engineering Design	Mechanical Behavior of Engineering Materials
					Optimization Techniques	Design and Analysis of Experiments		
					Industrial Instrumentation	Structural Health monitoring		
					Principles Of Computer Communications And Networks			
					Energy From Waste			
					Distributed Generation And Microgrid			
					Reliability Engineering			
					Machine Learning			
Construction Management -A1	Management of quality and safety in construction	Construction and Contract Management		(Elective –III) Construction Economics and Finance	OE-II Industrial Instrumentation	(Elective –IV) Under Water Construction	(Elective –IV) Advanced concrete Technology.	Civil Engineering Materials and Recent Advances
				Waste Management System	Principles Of Computer Communications And Networks	Urban/Regional Transportation Analysis and Planning Methods		
				Building services.	Energy From Waste			
					Distributed Generation And Microgrid			
					Reliability Engineering			
					Engineering Research Methodology			
					Machine Learning			

DATE: 30/09/2020

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CONTROLLER OF EXAMINATIONS

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 US