

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

KUKATPALLY-HYDERABAD-500085

EXAMINATION BRANCH

M.TECH-II SEMESTER -R15 REGULATION-REGULAR/SUPPLY EXAMINATIONS AUGUST-2016

T I M E T A B L E

T I M E : 10.00 AM TO 01:00 PM

COURSE	16-08-2016 TUESDAY	18-08-2016 THURSDAY	20-08-2016 SATURDAY	22-08-2016 MONDAY	24-08-2016 WEDNESDAY	26-08-2016 FRIDAY	29-08-2016 MONDAY	31-08-2016 WEDNESDAY
CAD/CAM-04	Design for Manufacturing And Assembly	Flexible Manufacturing Systems	Industrial Robotics	(ELECTIVE-III) Intelligent Manufacturing Systems	(OE2) Quality Engineering in Manufacturing	(ELECTIVE-IV) Advanced Mechatronics		
				Engineering Research and Methodology	Design and Manufacturing of MEMS and Micro Systems			
				Special Manufacturing Process	Fuzzy Logic and Neural Networks			
				Design Optimization				
COMPUTER SCIENCE-05	Network Programming	Information Retrieval Systems	Internet Technologies and Services	(ELECTIVE-III) Data Mining	(OE2) 1R-Programming	(ELECTIVE-IV) Big Data Analytics		
				Storage Area Networks	2 Android Application Development	Soft Computing		
				Semantic Web and Social Networks	3 Algorithmics	Software Process and Project Management		
				Cyber Security	4 Big Data Analytics 5 Bioinformatics 6 Biometrics. 7 Computer Forensics 8 E – Commerce 9 Information Security And Audit 10 Intellectual Property Rights 11 Java Programming 12 Linux Programming 13 Mobile Computing 14 Mobile Application Security 15 Open Stack Cloud Computing 16 Operations Research 17 Principles Of Information Security 18 Scripting Languages 19 Social Media Intelligence 20 Software Engineering 21 Storage Area Networks 22 Web Usability	Distributed Computing		

Sd/-

CONTROLLER OF EXAMINATIONS

DATE :23-07-2016

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DIGITAL SYSTEM & COMPUTER ELECTRONICS -06	Advanced Computer Architecture	Digital Signal Processors and Architectures	Real Time Operating Systems	(Elective-III) CPLD and FPGA Architectures and Applications	(OE2) Software Defined Radio	(Elective-IV) Design for Testability	(Elective-III) Network Security and Cryptography			
					Adhoc Wireless Networks				Elective -IV) Low Power VLSI Design	
					Scripting Languages	Device Modeling				
ELECTRICAL POWER SYSTEMS – 07	Power System Dynamics	Flexible AC Transmission Systems (FACTS)	Power System Operation and Deregulation	(Elective -III) Gas Insulated Systems(GIS)	(OE2) Instrumentation & Control	Elective -IV) Reactive Power Compensation and Management				
				Programmable Logic Controllers and their applications	Intelligent Control				Power System Reliability	
					Smart grid technologies					
					AI Techniques in Electrical Engineering					
				High frequency magnetic components	Reliability Engineering	Voltage Stability				
Energy Auditing, Conservation & Management										
Environmental Engineering-11	Air Pollution and Control	Industrial Waste Water Treatment	Environmental Impact Assessment	(Elective -III) Ground Water Contamination and Remediation	(OE2) Agricultural Pollution and Control	Elective -IV) Environmental Geotechnology				
				Disaster Management	Environmental Health and Safety				Environmental Biotechnology	
					Water Quality Modeling	Remote Sensing and GIS				Hazardous Waste management

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Machine Design-15	Experimental Stress Analysis	Advanced Finite Element Analysis	Mechanical Behavior of Engineering Materials	(Elective –III) Industrial Robotics	(OE2) Computational Fluid Dynamics	(Elective –IV) Vehicle Dynamics		
				Advanced Engineering Design	Advanced Optimization Techniques & Applications	Design and Analysis of Experiments		
				Fuzzy logic & Neural Networks	Advanced Mechatronics	Structural Health Monitoring		
Production Engineering -16	Advanced Manufacturing Processes	(Elective –III) Material Technology	Advanced Tool Design	(Elective –III) Optimization Techniques & Applications	(OE2) Advanced Mechatronics	(Elective –III) Vibration Analysis & Condition Monitoring	(Elective –IV) Performance Modeling & Analysis Of Manufacturing System	(Core) Computer Aided Process Planning
					Rapid Prototyping Technology	Experimental Techniques & Data Analysis		
						Advanced Finite Element Analysis		
Structural Engineering -20	Finite Element Method	Structural Dynamics	Pre-stressed Concrete	(Elective –III) Advanced Steel Design	(OE2) Repair & Rehabilitation of Buildings	(Elective –IV) Design of shells & folded plates		
				Soil Dynamic & Foundation Engineering	Composite Materials	Earthquake Resistant Design of Buildings		
				Stability of Structures	Optimization Techniques			
						Fracture Mechanics		

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Thermal Engineering- 21	Combustion & Environment	Computational Fluid Dynamics	Advanced Heat and Mass Transfer	(Elective –III) Alternate Fuels	(OE2) Advanced Finite Element Analysis	(Elective –IV) Convective Heat Transfer		
				Cryogenic Engineering (pre req : R&AC)	Energy Management	Equipment Design For Thermal Systems		
				Jet Propulsion & Rocket Engineering (pre req: Turbo Machines)		Computer Simulation of SI & CI Engine		
Transportation Engineering -22	Traffic Analysis	Land Use Transportation Modeling	Pavement Analysis and Design	(Elective –III) Highway Project Formulation & Economics	(OE2) Finite Element Method	(Elective –III) Pavement Construction Maintenance and Management		
				Environmental Impact assessment for Transportation Projects	Optimization Techniques	Intelligent transportation systems		
					Disaster Management	Rural Roads		
				Airport Engineering				

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Software Engineering-25	Software Architecture and Design Patterns	Software Process and Project Management	Software Quality Assurance and Testing	(Elective –III) Scripting Languages Information Retrieval Systems Semantic Web and Social Networks E - Commerce	(OE2) 1R-Programming 2 Android Application Development 3 Algorithmics 4 Big Data Analytics 5 Bioinformatics 6 Biometrics. 7 Computer Forensics 8 E – Commerce 9 Information Security And Audit 10 Intellectual Property Rights 11 Java Programming 12 Linux Programming 13 Mobile Computing 14 Mobile Application Security 15 Open Stack Cloud Computing 16 Operations Research 17 Principles Of Information Security 18 Scripting Languages 19 Social Media Intelligence 20 Software Engineering 21 Storage Area Networks 22 Web Usability 23 Database Internals	(Elective –IV) Software Security Engineering Cyber Security Information Security And Audit Business Process Management		
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Microwave & Radar engineering -30	Microwave Networks	Radar Signal Processing	Microwave Solid State Devices	(Elective –III) RF Circuit Design	(OE2) Bio Medical Signal Processing	(Elective –IV) Smart Antennas		
				Phased Array Systems		Detection and Estimation Theory		
				Optical Communication Technology	Software Defined Radio	Wireless Communication and Networks		
					Adhoc Wireless Networks			
Advanced Manufacturing Systems -33	Performance Modeling & Analysis of Manufacturing Systems	Materials Technology	(Elective –III) Industrial Robotics	(Core) Production & Operations Management	(OE2) Design and Manufacturing of MEMS & Micro Systems	(Elective –IV) Total Quality Management	(Elective –III) Quality Engineering in Manufacturing	
			Advanced Tool Design			Vibrational Analysis & Conditioning Monitoring		
						Engineering Research & Methodology		
Digital Electronics and communication systems/engg-38	Coding Theory and Techniques	Digital Signal Processors and Architectures	Wireless Communications and Networks	(Elective –III) Speech Signal Processing	(OE2) Image and Video Processing	(Elective –IV) Wireless MIMO Communications.	(Elective –IV) Network Security And Cryptography	
				Biomedical Signal Processing		Optical Communications Technology		
				Radar Signal processing	Software Defined Radio			
					Adhoc Wireless Networks			

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Information Technology-40	Machine Learning	Android Application Development	Cloud Computing	(Elective –III) Information Security And Audit Internet Technologies and Services Semantic Web and Social Networks Embedded Systems	(OE2) 1 R-Programming 2 Android Application Development 3 Algorithmics 4 Big Data Analytics 5 Bioinformatics 6 Biometrics. 7 Computer Forensics 8 E – Commerce 9 Information Security And Audit 10 Intellectual Property Rights 11 Java Programming 12 Linux Programming 13 Mobile Computing 14 Mobile Application Security 15 Open Stack Cloud Computing 16 Operations Research 17 Principles Of Information Security 18 Scripting Languages 19 Social Media Intelligence 20 Software Engineering 21 Storage Area Networks 22 Web Usability	(Elective –IV) E-Commerce Software Quality Assurance and Testing Computer Forensics Cyber Security		

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Power and Industrial Drives -42	Power Electronic Converters	Power Electronic Control of DC Drives	Power Electronic Control of AC Drives	(Elective –III) Power Quality	(OE2) Instrumentation & Control	(Elective –IV) Flexible AC Transmission Systems		
				Advanced Digital Signal Processing	Intelligent Control	High-Frequency Magnetic Components		
				Switched Mode Power Supplies (SMPS)	Smart grid technologies	Dynamics of Electrical Machines		
					AI Techniques in Electrical Engineering			
					Reliability Engineering			
					Energy Auditing, Conservation & Management			
Power Electronics -43	Power Electronic Converters	Power Electronic Control of DC Drives	Power Electronic Control of AC Drives	(Elective –III) Power Quality	(OE2) Instrumentation & Control	(Elective –IV) Flexible AC Transmission Systems		
				Advanced Digital Signal Processing	Intelligent Control	High-Frequency Magnetic Components		
				Switched Mode Power Supplies (SMPS)	Smart grid technologies	Dynamics of Electrical Machines		
					AI Techniques in Electrical Engineering			
					Reliability Engineering			
					Energy Auditing, Conservation & Management			

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Systems and Signal processing -45	Adaptive Signal Processing	Digital Signal Processors and Architectures	Speech Signal Processing	(Elective –III) Ad-hoc Wireless Networks	(OE2) Advanced Communications & Networks	(Elective –IV) Spread Spectrum Communication Coding Theory and Techniques	(Elective –IV) Image and Video Processing		
				CPLD and FPGA Architectures and Applications					Digital Control Systems
				Real-time Operating Systems					System on Chip Architecture
Electrical Power Engineering -49	Power System Dynamics	Flexible AC Transmission Systems (FACTS)	Power System Operation and Deregulation	(Elective –III) Gas Insulated Systems(GIS)	(OE2) Instrumentation & Control	(Elective –IV) Reactive Power Compensation and Management			
				Programmable Logic Controllers and their applications					Intelligent Control
				High frequency magnetic components					AI Techniques in Electrical Engineering
									Smart grid technologies
	Reliability Engineering	Power System Reliability							
	Energy Auditing, Conservation & Management	Voltage Stability							
Design for manufacturing-52	Design of Hydraulic & Pneumatic Systems	Precision Engineering	Advanced Tool Design	(Elective –III) Intelligent Manufacturing Systems	(OE2) Concurrent Engineering & Product Life Cycle Management	(Elective –IV) Advanced Optimization Techniques & Applications			
				Product Data Management					Smart Materials & Structures
				Neural Network & Fuzzy Logic					Experimental Techniques & Data Analysis
						Vibration Analysis & Condition Monitoring			

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Power Electronics and Electric Drives - 54	Power Electronic Converters	Power Electronic Control of DC Drives	Power Electronic Control of AC Drives	(Elective –III) Power Quality	(OE2) Instrumentation & Control	(Elective –IV) Flexible AC Transmission Systems			
				Advanced Digital Signal Processing	Intelligent Control				High Frequency Magnetic Components
				Switched Mode Power Supplies (SMPS)	Smart grid technologies				Dynamics of Electrical Machines
					AI Techniques in Electrical Engineering				
					Reliability Engineering				
					Energy Auditing, Conservation & Management				
				Embedded Systems -55	Sensors and Actuators	Digital Signal Processors and Architectures			(Elective –III) Wireless Communication and Networks
Scripting languages	Hardware Software Co-Design								
CPLD and FPGA Architectures and Applications	Device Modeling	Network Security and Cryptography							
VLSI system Design/VLSI Design -57	Low Power VLSI Design	CMOS Mixed Signal Circuit Design	Design for Testability	(Elective –III) VLSI and DSP Architectures	(OE2) Coding Theory and Techniques	(Elective –IV) Optimization Techniques in VLSI Design	(Elective –IV) System On Chip Architecture		
				Full custom Design	Adhoc Wireless Networks	Semiconductor Memory Design and Testing			
				Hardware Description Language		Scripting Languages			

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Computer Science Engineering - 58	Network Programming	Information Retrieval Systems	Internet Technologies and Services	(Elective –III) Data Mining	(OE2) 1 R-Programming 2 Android Application Development 3 Algorithmics 4 Big Data Analytics 5 Bioinformatics 6 Biometrics. 7 Computer Forensics 8 E – Commerce 9 Information Security And Audit 10 Intellectual Property Rights 11 Java Programming 12 Linux Programming 13 Mobile Computing 14 Mobile Application Security 15 Open Stack Cloud Computing 16 Operations Research 17 Principles Of Information Security 18 Scripting Languages 19 Social Media Intelligence 20 Software Engineering 21 Storage Area Networks 22 Web Usability 23Internet of Things	(Elective –IV) Big Data Analytics		
				Storage Area Networks		Soft Computing		
				Semantic Web and Social Networks		Software Process and Project Management		
				Cyber Security		Distributed Computing		

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Web Technologies -62	Web Services and Service Oriented Architecture	Android Application Development	Semantic Web and Social Networks	(Elective –III) Human Computer Interaction Cyber Security Software Architecture and Design Patterns Computer Forensics	(O E2) 1 R-Programming 2 Android Application Development 3 Algorithmics 4 Big Data Analytics 5 Bioinformatics. 6 Biometrics. 7 Computer Forensics 8 E – Commerce 9 Information Security And Audit 10 Intellectual Property Rights 11 Java Programming 12 Linux Programming 13 Mobile Computing 14 Mobile Application Security 15 Open Stack Cloud Computing 16 Operations Research 17 Principles Of Information Security 18 Scripting Languages 19 Social Media Intelligence 20 Software Engineering 21 Storage Area Networks 22 Web Usability	(Elective –IV) Big Data Analytics Cloud Computing Distributed Systems Distributed Computing		

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Power Engineering and Energy Systems -64	Power System Dynamics	Flexible AC Transmission Systems (FACTS)	Power System Operation and Deregulation	(Elective –III) Gas Insulated Systems(GIS)	(OE2) Instrumentation & Control	(Elective –IV) Reactive Power Compensation and Management			
				Programmable Logic Controllers and their applications	Intelligent Control Smart grid technologies				
				High frequency magnetic components	AI Techniques in Electrical Engineering				Power System Reliability
					Reliability Engineering				Voltage Stability
					Energy Auditing, Conservation & Management				
Wireless and Mobile Communication -65	Advanced communications & Networks	(Elective –IV) Software Defined Radio	Wireless Communications & Networks	(Elective –III) Optical Communications Technology	(OE2) Scripting Languages Embedded system Design	(Core) Wireless MIMO Communications	(Elective – IV) Network Security and Cryptography		
		4G Technologies		Wireless LANs and PANs	Adhoc and Wireless Sensor Networks				Mobile Computing Technologies

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VLSI and Embedded Systems -68	Low Power VLSI Design	CMOS Mixed Signal Circuit Design	Real Time Operating Systems	(Elective –III) Embedded Networking	(OE2) Adhoc Wireless Networks	(Elective –IV) Design for Testability	(Elective –III) System On Chip Architecture	
				Digital Signal Processors and Architectures	Sensors and Actuators	Semiconductor Memory Design and Testing		
					Image and Video Processing	Full Custom Design		
Electronics and Communication Engineering-70	Coding Theory and Techniques	Digital Signal Processors and Architectures	Wireless Communications and Networks	(Elective –III) Speech Signal Processing	(OE2) Image and Video Processing	(Elective –IV) Wireless MIMO Communications	(Elective –IV) Network Security And Cryptography	
				Biomedical Signal Processing	Software Defined Radio	Optical Communications Technology		
				Radar Signal Processing	Adhoc Wireless Networks			

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Control Systems -75	Optimal Control Theory	Adaptive and Learning Control	Instrumentation and Control	(Elective –IV) Advanced Digital Signal Processing	(OE2) Instrumentation & Control	(Elective –III) Intelligent Control		
				Real Time Systems	Intelligent Control	Non-linear Systems		
				Robotics and Control	Smart Grid Technologies	Robust Control		
					AI Techniques in Electrical Engineering			
					Reliability Engineering			
					Energy Auditing Conservation & Management			
Aerospace Engineering -76	Flight Dynamics and Control	Aerospace Propulsion	Space Transportation Systems	(Elective –III) Mechanics of Composite Structures	(OE2) Industrial Aerodynamics and Wind Energy	(Elective –IV) Aero elasticity of Launch Vehicles		
				Flight Vehicle Design		Air Traffic Control		
				Hypersonic Aerothermodynamics	Ground Vehicle Aerodynamics	Tactical Missiles Design		
				Airline Planning, Scheduling and Operations		Navigation Guidance and Control		
				Unmanned Aircraft Systems		Viscous Fluid Flow		
Embedded Systems & VLSI Design-77	Low Power VLSI Design	CMOS Mixed Signal Circuit Design	Real Time Operating Systems	(Elective –III) Digital Signal Processors and Architectures	(OE2) Image and Video Processing	(Elective –IV) Design for Testability	(Elective –III) System On Chip Architecture	
					Adhoc Wireless Networks	Semiconductor Memory Design and Testing		
				Embedded Networking	Sensors and Actuators	Full Custom Design		

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Computer Networks and Information Security -78	Network Security	Wireless Networks	Network Security Standards and Applications	(Elective –III) Internet Technologies and Services	(OE2) 1 R-Programming 2 Android Application Development 3 Algorithmics 4 Big Data Analytics 5 Bioinformatics 6 Biometrics. 7 Computer Forensics 8 E – Commerce 9 Information Security And Audit 10 Intellectual Property Rights 11 Java Programming 12 Linux Programming 13 Mobile Computing 14 Mobile Application Security 15 Open Stack Cloud Computing 16 Operations Research 17 Principles Of Information Security 18 Scripting Languages 19 Social Media Intelligence 20 Software Engineering 21 Storage Area Networks 22 Web Usability	(Elective –IV) Storage Area Networks		
				Digital Water Marking and Steganography		Distributed Systems Security		
				Security Threats		Cyber Security		
				Network Management and Performance Evaluation		Information Systems control and Audit		

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Mechatronics - 80	Micro Controller & Applications	Fuzzy Logic & Neural Networks	Industrial Robotics	(Elective –III) MEMS	(OE2) Simulation, Modeling of Manufacturing Systems	(Elective –IV) Intelligent Manufacturing Systems		
				Design for Manufacture & Assembly	Autotronics & Vehicle Intelligence	Computer Aided Metrology & Machine Vision		
				Adaptive Manufacturing Processes	Experimental Techniques & Data Analysis	Nano Composites- Design & Synthesis		
Computer Networks -82	Network Security	Wireless Networks	Network Security Standards and Applications	(Elective –III) Internet Technologies and Services	(OE2) 1 R-Programming 2 Android Application Development 3 Algorithmics 4 Big Data Analytics 5 Bioinformatics 6 Biometrics.	(Elective –IV) Storage Area Networks		
				Digital Water Marking and Steganography	7 Computer Forensics 8 E – Commerce 9 Information Security And Audit 10 Intellectual Property Rights 11 Java Programming 12 Linux Programming 13 Mobile Computing 14 Mobile Application Security 15 Open Stack Cloud Computing 16 Operations Research 17 Principles Of Information Security 18 Scripting Languages 19 Social Media Intelligence 20 Software Engineering 21 Storage Area Networks 22 Web Usability	Distributed Systems Security		
				Security Threats		Cyber Security		
				Network Management and Performance Evaluation		Information Systems Control And Audit		

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KUKATPALLY-HYDERABAD-500085

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

M.TECH-II SEMESTER -R15 REGULATION-REGULAR/SUPPLY EXAMINATIONS AUGUST-2016

T I M E T A B L E

T I M E : 10.00 AM TO 1:00 PM

COURSE	16-08-2016 TUESDAY	18-08-2016 THURSDAY	20-08-2016 SATURDAY	22-08-2016 MONDAY	24-08-2016 WEDNESDAY	26-08-2016 FRIDAY	29-08-2016 MONDAY	31-08-2016 WEDNESDAY
Highway Engineering -87	Pavement Construction, Maintenance & Management	Pavement Analysis and Design	Traffic Analysis	(Elective –III) Highway Project Formulation and Economics	(OE2) Optimization Techniques Disaster Management	(Elective –IV) Intelligent transportation systems Rural Roads Airport Engineering		
				Land use and Transportation Modeling				
				Environmental Impact Assessment for Transportation Projects				
Electronics and Instrumentation -88	Industrial Automation	Industrial Data Communications	Advanced Process Control Instrumentation	(Elective –III) Advanced Instrumentation Systems	(OE2) Sensors and Actuators	(Elective –IV) MEMS and Applications Robotic Design and Control		
				Quality and Reliability Engineering				
				CPLD and FPGA Architectures and Applications	Multimedia and Signal Coding			
Heating Ventilation & Air Conditioning -91	Air Conditioning	Ventilation systems	Heating systems	(Elective –III) Environmental friendly refrigerants	(OE2) Advanced optimization techniques Green building concepts	(Elective –IV) Advanced materials for Thermal Systems Unconventional Refrigeration & Air-Conditioning systems		
				Ducting & A/C supply systems				
				A/C instrumentation & control systems		Maintenance of A/C equipment		

Sd/-

CONTROLLER OF EXAMINATIONS

DATE :23-07-2016

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

KUKATPALLY-HYDERABAD-500085

EXAMINATION BRANCH

M.TECH-II SEMESTER -R15 REGULATION-REGULAR/SUPPLY EXAMINATIONS AUGUST-2016

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Engineering Design -95	Experimental Stress Analysis	Advanced Finite Element Analysis	Mechanical Behavior of Engineering Materials	(Elective –III) Industrial Robotics	(OE2) Computational Fluid Dynamics	(Elective –IV) Vehicle Dynamics		
				Advanced Engineering Design				
				Fuzzy logic & Neural Networks	Design and Analysis of Experiments			
Construction Management -A1	Construction Methods and Equipment	Construction and Contract Management	Civil Engineering Materials and Recent Advances	(Elective –III) Construction Economics and Finance	(OE2) Critical Chain Management	(Elective –IV) Under Water Construction		
				Waste Management System	Strategic Management in Construction	Advanced concrete Technology.		
					Building services.			

DATE :23-07-2016

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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