

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**

**KUKATPALLY - HYDERABAD – 5000 85**

**EXAMINATION BRANCH**

**IV YEAR B.TECH – II SEMESTER– R16 REGULATION SUPPLEMENTARY EXAMINATIONS JULY-2022**

**T I M E T A B L E**

**TIME: →FN 9.45 AM TO 12:45 PM**

<b>BRANCH</b>	<b>11-07-2022 MONDAY</b>	<b>16-07-2022 SATURDAY</b>	<b>21-07-2022 THURSDAY</b>	<b>23-07-2022 SATURDAY</b>	<b>02-08-2022 TUESDAY</b>
<b>CIVIL ENGINEERING  (01-CE)</b>	<b>E5</b>	<b>E6</b>	<b>OE3</b>	<b>E5</b>	<b>E6</b>
	Waste Management. Pavement Design	Industrial Waste Water Treatment	Air Transportation Systems Basics of Thermodynamics Characterization of Nanomaterials Concepts of Nano Science And Technology	Elements of Earthquake Engineering. Common to (CE,CEE)	Geoenvironmental Engineering Common to (CE,CEE)
	Water Resources Systems Analysis.				

Date: 21-06-2022

Sd/-

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<b>ELECTRICAL AND ELECTRONICS ENGINEERING  (02-EEE)</b>	<b>E5</b>	<b>E6</b>	<b>OE3</b>	-	
	Artificial Neural Networks and Fuzzy Systems	Smart Electric Grid	Air Transportation Systems		
		Utilization of Electric Power		Basics of Thermodynamics	
				Characterization of Nanomaterials	
		Electric and Hybrid Vehicles		Concepts of Nano Science And Technology	
			Data Analytics		
	Electrical Distribution Systems	VLSI DESIGN	Design and Selection of Engineering Materials		
			Disaster Management		
	Electromagnetic Interference and Compatibility				
	Electronic Measuring Instruments				
	Entrepreneurship and Small Business Enterprises				
	Environmental Impact Assessment				
	Fundamentals of Liquefied Natural Gas				
	Health & Safety in Mines				
	Health, Safety and Environment in Petroleum Industry				
	Industrial Safety, Health, and Environmental Engineering				
	Introduction to Mechatronics				
	Linux Programming				
	Microprocessors and Microcontrollers				
	Optimization Techniques in Engineering				
	PC Based Instrumentation				
	PHP Programming				
	Production Planning and Control				
	R Programming				
	Reliability Engineering				
	Remote Sensing and GIS				
	Renewable Energy Sources				
	Rockets and Missiles				
Sensors and Transducers,					
Solid Fuel Technology					
Synthesis of Nanomaterials					
Telemetry and Telecontrol					
Total Quality Management					

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	<b>E5</b>	<b>E6</b>	<b>OE3</b>	<b>E6</b>	<b>E5</b>
<b>MECHANICAL ENGINEERING  (03-ME)</b>	Fluid Power System	Advanced Mechanics of Solids	Air Transportation Systems Characterization of Nanomaterials	Automobile Engineering (ME,MSNT)	Automation in Manufacturing ( Common ME, MECT, MSNT )
	Renewable Energy Sources	Unconventional Machining Processes	Concepts of Nano Science And Technology		
	Production Planning and Control	Advanced Materials Technology	Data Analytics		
			Design and Selection of Engineering Materials		
			Disaster Management		
			Electromagnetic Interference and Compatibility		
			Electronic Measuring Instruments		
			Entrepreneur Resource Planning		
			Entrepreneurship and Small Business Enterprises		
			Environmental Impact Assessment		
			Fundamentals of Liquefied Natural Gas		
			Health & Safety in Mines		
			Health, Safety and Environment in Petroleum Industry		
			Introduction to Mechatronics		
			Linux Programming		
			Management Information Systems		
			Microprocessors and Microcontrollers		
			Optimization Techniques in Engineering		
			Organizational Behaviour		
			PC Based Instrumentation		
			PHP Programming		
			Production Planning and Control		
			R Programming		
			Remote Sensing and GIS		
Renewable Energy Sources					
Rockets and Missiles					
Sensors and Transducers,					
Solid Fuel Technology					
Synthesis of Nanomaterials					
Telemetry and Telecontrol					

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	<b>E5</b>	<b>E6</b>	<b>OE3</b>	<b>E5</b>	<b>E5</b>
<b>ELECTRONICS AND COMMUNICAT ION ENGINEERING  (04-ECE)</b>	Network Security and Cryptography	Actuators and Robot Systems	Air Transportation Systems Organizational Behaviour	Optical Communications ( Common TO ECE,ETM)	Machine Learning (Common ECE, EIE, BME)
	System Design Using FPGAs	Analog CMOS IC Design	Basics of Thermodynamics Management Information Systems		
		Global Positioning System	Characterization of Nanomaterials Entrepreneur Resource Planning		
	Computer Vision	Concepts of Nano Science And Technology			
		Data Analytics			
		Design and Selection of Engineering Materials			
		Disaster Management			
		Electromagnetic Interference and Compatibility			
		Entrepreneurship and Small Business Enterprises			
		Environmental Impact Assessment			
		Fundamentals of Liquefied Natural Gas			
		Health & Safety in Mines			
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		Optimization Techniques in Engineering			
		PC Based Instrumentation			
		PHP Programming			
		Production Planning and Control			
		R Programming			
		Reliability Engineering			
		Remote Sensing and GIS			
		Renewable Energy Sources			
		Rockets and Missiles			
		Sensors and Transducers,			
		Solid Fuel Technology			
	Synthesis of Nanomaterials				
	Telemetry and Telecontrol				
	Total Quality Management				

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<b>COMPUTER SCIENCE AND ENGINEERING  (05-CSE)</b>	<b>E5</b>	<b>E6</b>	<b>OE3</b>		
	Information Theory & Coding	Advanced Algorithms	Air Transportation Systems		
	Real-Time Systems (Common to CSE, IT)	Web Services and Service Oriented Architecture	Basics of Thermodynamics		
	Data Analytics ( Common to CSE, IT)	Computer Forensics	Characterization of Nanomaterials		
	Modern Software Engineering (Common To CSE, IT)	Neural Networks and Deep Learning (Common to CSE, IT)	Concepts of Nano Science And Technology		
			Data Analytics		
			Design and Selection of Engineering Materials		
			Disaster Management		
			Electromagnetic Interference and Compatibility		
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			PC Based Instrumentation		
			Production Planning and Control		
	Reliability Engineering				
Renewable Energy Sources					
Rockets and Missiles					
Sensors and Transducers,					
Solid Fuel Technology					
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Telemetry and Telecontrol					
Total Quality Management					
Remote Sensing and GIS					

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<b>ELECTRONICS AND INSTRUMENT ATION ENGINEERING  (10-EIE)</b>	<b>E5</b>	<b>E5</b>	<b>OE3</b>	<b>E6</b>	<b>E6</b>
	Neural Networks and Fuzzy Logic	MEMS and Applications	Air Transportation Systems	Internet of Things Common EIE,BME, E.Comp.E	Machine Learning _(Common ECE,EIE, BME)
	Computer Networks		Basics of Thermodynamics		
	Industrial Data Communications		Characterization of Nanomaterials	Reliability Engineering (Common EIE, AME)	DSP Processors and Architectures (Common To EIE, BME)
			Concepts of Nano Science And Technology		
			Data Analytics		
			Design and Selection of Engineering Materials		
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			Optimization Techniques in Engineering		
			Organizational Behaviour		
			PHP Programming		
			Production Planning and Control		
			R Programming		
			Reliability Engineering		
			Remote Sensing and GIS		
	Renewable Energy Sources				
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	Synthesis of Nanomaterials				
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	Total Quality Management				

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	<b>E6</b>	<b>E5</b>	<b>OE3</b>	<b>E5</b>	<b>E6</b>
<b>BIO-MEDICAL ENGINEERING (11-BME)</b>	Bio MEMS	Medical Informatics	Air Transportation Systems	Internet of Things- (Common EIE,BME, E.Comp.E)	Machine Learning  (Common ECE, EIE, BME)
			Basics of Thermodynamics		
		Physiological Systems Management	Linux Programming		Biometric Systems
		Embedded System Design	Characterization of Nanomaterials		
			Concepts of Nano Science And Technology		
			Data Analytics		
			Design and Selection of Engineering Materials		
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PHP Programming					
Production Planning and Control					
R Programming					
Reliability Engineering					
Remote Sensing and GIS					
Renewable Energy Sources					
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Sensors and Transducers					
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					DSP Processors and Architectures (Common To EIE, BME)

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<b>INFORMATION TECHNOLOGY</b>  <b>(12- I T)</b>	<b>E5</b>	<b>E6</b>	<b>OE3</b>		
	Steganography and Watermarking	Intrusion Detection System	Air Transportation Systems		
	Real-Time Systems (Common to CSE, IT)	ADHOC and Sensor Networks	Basics of Thermodynamics		
			Telemetry and Telecontrol		
	Data Analytics Common to CSE, IT)	Human Computer Interaction	Characterization of Nanomaterials		
			Total Quality Management		
	Modern Software Engineering (Common To CSE, IT)		Concepts of Nano Science And Technology		
		Neural Networks and Deep Learning (Common oTo CSE, IT)	Data Analytics		
			Design and Selection of Engineering Materials		
			Disaster Management		
			Electromagnetic Interference and Compatibility		
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<b>MECHANICAL ENGINEERING (MECHATRONICS)</b>  <b>(14-MECT)</b>	<b>E6</b>	<b>E5</b>	<b>OE3</b>	<b>E6</b>	<b>E5</b>
	Automotive Pollution and Control	Product Design and Assembly Automation	Air Transportation Systems Basics of Thermodynamics Characterization of Nanomaterials	MEMS Design	Automation in Manufacturing ( Common Common ME, MECT MSNT )
	Power Plant Engineering	MATLAB Applications	Telemetry and Telecontrol Total Quality Management		
	Computational Fluid Dynamics	Mechanical Vibrations	Concepts of Nano Science And Technology Data Analytics		
			Design and Selection of Engineering Materials		
			Disaster Management		
			Electromagnetic Interference and Compatibility		
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			Optimization Techniques in Engineering		
			Organizational Behaviour		
			PC Based Instrumentation		
			PHP Programming		
			R Programming		
			Reliability Engineering		
			Remote Sensing and GIS		
			Rockets and Missiles		
			Sensors and Transducers,		
			Synthesis of Nanomaterials		
		Solid Fuel Technology			

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<b>ELECTRONICS AND TELEMATICS ENGINEERING (17-ETM)</b>	<b>E6</b>	<b>E6</b>	<b>OE3</b>	<b>E5</b>	-
	Radar System	Satellite Communications	Air Transportation Systems	Optical Communications Common To ECE,ETM)	
			Basics of Thermodynamics		
			Telemetry and Telecontrol		
		Cloud computing	Characterization of Nanomaterials		
			Total Quality Management		
		Wireless and Mobile Adhoc Networks	Concepts of Nano Science And Technology	Advanced Telecommunicati on Technologies	
			Data Analytics		
			Design and Selection of Engineering Materials		
			Disaster Management		
			Electromagnetic Interference and Compatibility	Database Management Systems	
			Entrepreneur Resource Planning		
			Entrepreneurship and Small Business Enterprises		
			Environmental Impact Assessment	Wireless Communications and Networks	
			Fundamentals of Liquefied Natural Gas		
			Health & Safety in Mines		
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	<b>E5</b>	<b>E6</b>	<b>OE3</b>	<b>E5</b>	<b>E6</b>
<b>METALLURGI CAL AND MATERIALS ENGINEERING  (18-MME)</b>	Composite Materials	Advanced Manufacturing Technologies	Air Transportation Systems	Ferroalloys Technology	Advanced Materials
		Nuclear Materials	Basics of Thermodynamics		
	Super Alloys		Characterization of Nanomaterials		
			Concepts of Nano Science And Technology		
			Data Analytics		
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			Reliability Engineering		
			Remote Sensing and GIS		
			Renewable Energy Sources		
		Rockets and Missiles			
		Sensors and Transducers,			
		Solid Fuel Technology			
		Synthesis of Nanomaterials			
		Telemetry and Telecontrol			
		Total Quality Management			

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	<b>E5</b>	<b>E5</b>	<b>OE3</b>	<b>E6</b>	<b>E6</b>	
<b>ELECTRONICS AND COMPUTER ENGINEERING  (19-E.COMP.E)</b>	Computer Graphics	VLSI Design (Common to EEE, E.Comp.E)	Air Transportation Systems	Internet of Things (Common EIE, BME, E.Comp.E)	Advanced Computer Architecture	
			Basics of Thermodynamics			
	Data Warehousing and Data Mining		Characterization of Nanomaterials			
	Real Time Operating Systems					Synthesis of Nanomaterials
						Concepts of Nano Science And Technology
						Solid Fuel Technology
						Design and Selection of Engineering Materials
						Disaster Management
						Electromagnetic Interference and Compatibility
						Electronic Measuring Instruments
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						PC Based Instrumentation
						PHP Programming
						Production Planning and Control
						R Programming
						Reliability Engineering
						Remote Sensing and GIS
						Renewable Energy Sources
		Rockets and Missiles				
	Sensors and Transducers					
	Telemetry and Telecontrol					
	Total Quality Management					
				Data Communications		
				Multimedia and Rich Internet Applications		

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	<b>E6</b>	<b>E5</b>	<b>(OE3)</b>	<b>E6</b>	<b>E6</b>
	Ground Vehicle Aerodynamics	Helicopter Engineering	Basics of Thermodynamics		
<b>AERONAUTICAL ENGINEERING (21-AE)</b>	Aeroelasticity	Fabrication and Machining of Composite Structures	Telemetry and Telecontrol	Wind Engineering and Industrial Aerodynamics	Heat Transfer
		Airlines Planning, Scheduling and Operations	Total Quality Management		
		Hypersonic aerodynamics	Characterization of Nanomaterials		
			Concepts of Nano Science And Technology		
			Data Analytics		
			Design and Selection of Engineering Materials		
			Disaster Management		
			Electromagnetic Interference and Compatibility		
			Electronic Measuring Instruments		
			Entrepreneur Resource Planning		
			Entrepreneurship and Small Business Enterprises		
			Environmental Impact Assessment		
			Fundamentals of Liquefied Natural Gas		
			Health & Safety in Mines		
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			Industrial Safety, Health, and Environmental Engineering		
			Introduction to Mechatronics		
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			Organizational Behaviour		
			PC Based Instrumentation		
			PHP Programming		
			Production Planning and Control		
			R Programming		
			Reliability Engineering		
	Remote Sensing and GIS				
	Renewable Energy Sources				
	Sensors and Transducers,				
	Solid Fuel Technology				
	Synthesis of Nanomaterials				

Date: 21-06-2022

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**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**

**KUKATPALLY - HYDERABAD – 5000 85**

**EXAMINATION BRANCH**

**IV YEAR B.TECH – II SEMESTER– R16 REGULATION SUPPLEMENTARY EXAMINATIONS JULY-2022**

**T I M E T A B L E**

**TIME: →FN 9:45 AM TO 12:45 PM**

<b>BRANCH</b>	<b>11-07-2022 MONDAY</b>	<b>16-07-2022 SATURDAY</b>	<b>21-07-2022 THURSDAY</b>	<b>23-07-2022 SATURDAY</b>	<b>02-08-2022 TUESDAY</b>	
<b>AUTOMOBILE ENGINEERING (24-AME)</b>	<b>E5</b>	<b>E6</b>	<b>OE3</b>	<b>E5</b>	<b>E5</b>	
	Finite Element Methods	Maintenance and Safety Engineering	Air Transportation Systems	Total Quality Management	Reliability Engineering (Common EIE,AME )	Plant Layout and Material Handling
		Green Engineering Systems	Basics of Thermodynamics			
		Off-road Vehicles	Characterization of Nanomaterials			
			Synthesis of Nanomaterials			
		Vehicle Condition Monitoring	Concepts of Nano Science And Technology		Vehicle Transport Management	
			Data Analytics			
			Design and Selection of Engineering Materials			
			Disaster Management			
			Electromagnetic Interference and Compatibility			
			Electronic Measuring Instruments			
			Entrepreneur Resource Planning			
			Entrepreneurship and Small Business Enterprises			
			Environmental Impact Assessment			
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			Organizational Behaviour			
			PC Based Instrumentation			
			PHP Programming			
			Production Planning and Control			
			R Programming			
			Reliability Engineering			
			Remote Sensing and GIS			
			Renewable Energy Sources			
			Rockets and Missiles			
		Sensors and Transducers,				
	Telemetry and Telecontrol					
	Solid Fuel Technology					

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<b>MINING ENGINEERING G (25 - MNE)</b>	<b>E5</b>	<b>E6</b>	<b>OE3</b>	<b>E5</b>	-
	Environmental Management in Mines	Mine Ventilation	Air Transportation Systems	Planning of Underground Metal Mining Project (E5)	
	Coal Gasification, Coal Bed Methane & Shale Gas	Advanced Environmental Engineering	Synthesis of Nanomaterials		
	Computer Applications in Mining	Advanced Underground Coal Mining Technology	Basics of Thermodynamics		
		Tunnel Engineering	Telemetry and Telecontrol		
			Characterization of Nanomaterials		
			Concepts of Nano Science And Technology		
			Data Analytics		
			Design and Selection of Engineering Materials		
			Disaster Management		
			Electromagnetic Interference and Compatibility		
			Electronic Measuring Instruments		
			Entrepreneur Resource Planning		
			Entrepreneurship and Small Business Enterprises		
			Environmental Impact Assessment		
			Fundamentals of Liquefied Natural Gas		
			Total Quality Management		
			Health, Safety and Environment in Petroleum Industry		
			Industrial Safety, Health, and Environmental Engineering		
			Introduction to Mechatronics		
			Linux Programming		
			Management Information Systems		
			Microprocessors and Microcontrollers		
			Optimization Techniques in Engineering		
			Organizational Behaviour		
			PC Based Instrumentation		
			PHP Programming		
		Production Planning and Control			
		R Programming			
		Reliability Engineering			
		Remote Sensing and GIS			
		Renewable Energy Sources			
		Rockets and Missiles			
		Sensors and Transducers,			

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	<b>E5</b>	<b>E6</b>	<b>OE3</b>	<b>E5</b>	
	Subsea Engineering	Enhanced Oil Recovery Techniques	Air Transportation Systems	Membrane Technology	
	Natural Gas Hydrates and Coal Bed Methane	Multi-phase Flow in Porous Media	Basics of Thermodynamics		
<b>PETROLEUM ENGINEERING</b>  <b>(27 - PTME)</b>		Petroleum Management, Marketing and Finance	Characterization of Nanomaterials		
			Concepts of Nano Science And Technology		
			Data Analytics		
			Design and Selection of Engineering Materials		
			Electromagnetic Interference and Compatibility		
			Electronic Measuring Instruments		
			Entrepreneur Resource Planning		
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			Production Planning and Control		
			R Programming		
			Reliability Engineering		
			Remote Sensing and GIS		
	Renewable Energy Sources				
	Rockets and Missiles				
	Sensors and Transducers,				
	Solid Fuel Technology				
	Synthesis of Nanomaterials				
	Telemetry and Telecontrol				
	Total Quality Management				

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**IV YEAR B.TECH – II SEMESTER– R16 REGULATION SUPPLEMENTARY EXAMINATIONS JULY-2022**

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	<b>E5</b>	<b>E6</b>	<b>OE3</b>	<b>E6</b>	<b>E5</b>
<b>CIVIL &amp; ENVIRONMENTAL ENGINEERING (28-C E E)</b>	Estimation and Costing	Stochastic Hydrology	Air Transportation Systems	Elements of Earthquake Engineering. (Common TO CE,CEE)	Geo environmental Engineering (Common to CE,CEE)
		Traffic Engineering	Basics of Thermodynamics		
		Foundation Engineering	Ground Improvement Techniques		Characterization of Nanomaterials
			Concepts of Nano Science And Technology		
			Data Analytics		
			Design and Selection of Engineering Materials		
			Disaster Management		
			Electromagnetic Interference and Compatibility		
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			PHP Programming		
			Production Planning and Control		
			R Programming		
			Reliability Engineering		
			Rockets and Missiles		
		Telemetry and Telecontrol			
	Total Quality Management				
	Sensors and Transducers,				
	Synthesis of Nanomaterials				
	Solid Fuel Technology				
	Renewable Energy Sources				
					Finite Element Methods for Civil Engineering (Common to CE,CEE)

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	<b>E6</b>	<b>E5</b>	<b>OE3</b>	<b>E5</b>	<b>E5</b>
<p align="center"><b>MECHANICAL ENGINEERING (MATERIAL SCIENCE &amp; NANO TECHNOLOGY)</b></p> <p align="center"><b>(29 – MSNT)</b></p>	Nano Composites	Tribology	Air Transportation Systems	<p align="center">Automobile Engineering ( Common ME, MSNT)</p>	<p align="center">Automation in Manufacturing (Common ME, MECT, MSNT)</p>
	Carbon Nano Materials and Applications	Mechanics of Composite Materials	Total Quality Management		
	MEMS - NEMS Design and Applications		Basics of Thermodynamics		
			Renewable Energy Sources		
			Rockets and Missiles		
			Telemetry and Telecontrol		
			Remote Sensing and GIS		
			Sensors and Transducers,		
			Data Analytics		
			Design and Selection of Engineering Materials		
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	Production Planning and Control				
	R Programming				
	Reliability Engineering				
	Solid Fuel Technology				

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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

(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.