

# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

KUKATPALLY - HYDERABAD – 5000 85

EXAMINATION BRANCH

## IV YEAR B.TECH – I SEMESTER– R18 REGULATION II - MID TERM EXAMINATIONS DECEMBER-2023

### TIMETABLE

TIME→ FN: 11.40 AM TO 1.00 PM (DESCRIPTIVE EXAM: 11.40 AM TO 12.40 PM, OBJECTIVE EXAM:12.40 PM TO 1.00 PM)

AN: 3.40 PM TO 5.00 PM (DESCRIPTIVE EXAM: 3.40 PM TO 04. 40 PM, OBJECTIVE EXAM: 4.40 PM TO 05.00 PM)

BRANCH	11-12-2023 FN MONDAY	11-12-2023 AN MONDAY	12-12-2023 FN TUESDAY	12-12-2023 AN TUESDAY	13-12-2023 FN WEDNESDAY
<b>CIVIL ENGINEERING (01-CE)</b>	Estimation, Costing and Project Management	Professional Practice law & Ethics	E3	E4	OE2
			Remote Sensing & GIS	Irrigation and Hydraulic Structures	Data Structures
			Advanced Structural Design	Pipeline Engineering	Artificial Intelligence
			Ground Improvement Techniques	Ground Water Hydrology	Python Programming
					Java Programming
					Fundamentals of Biomedical Applications
					Electronic Sensors
					Utilization of Electrical Energy
					Electric Drives and Control
					Basic Mechanical Engineering
					Basics of Aeronautical Engineering
					Intellectual Property Rights
					Principles of Entrepreneurship
					Natural Gas Engineering
					Engineering Materials
					Surface Engineering
					Health & Safety in Mines
					Material Handling in Mines

Date: 06-12-2023

Sd/-  
CONTROLLER OF EXAMINATIONS

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<b>ELECTRICAL AND ELECTRONICS ENGINEERING</b>  <b>(02-EEE)</b>	Fundamentals of Management for Engineers	---	E3	E4	OE2
					Data Structures
			Digital Control systems	HVDC Transmission	Artificial Intelligence
			Digital Signal Processing	Power System Reliability	Remote Sensing & GIS
			Electrical and Hybrid Vehicles	Industrial Electrical Systems	Python Programming
					Java Programming
					Fundamentals of Biomedical Applications
					Electronic Sensors
					Basic Mechanical Engineering
					Basics of Aeronautical Engineering
					Intellectual Property Rights
					Principles of Entrepreneurship
					Natural Gas Engineering
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<b>MECHANICAL ENGINEERING</b>  (03-ME)	Refrigeration & Air Conditioning	E2	E3	E4	OE2
		Additive Manufacturing	Power Plant Engineering	Computational Fluid Dynamics	Remote Sensing & GIS
		Automation in Manufacturing	Automobile Engineering	Turbo Machinery	Data Structures
		MEMS	Renewable Energy Sources	Fluid Power Systems	Artificial Intelligence
					Python Programming
					Java Programming
					Fundamentals of Biomedical Applications
					Electronic Sensors
					Utilization of Electrical Energy
					Electric Drives and Control
					Basics of Aeronautical Engineering
					Intellectual Property Rights
					Principles of Entrepreneurship
					Engineering Materials
					Surface Engineering
					Natural Gas Engineering
					Health & Safety in Mines
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ELECTRONICS AND COMMUNICATION ENGINEERING  (04-ECE)	Microwave and Optical Communications	Professional Practice law & Ethics	E3	E4	OE2
					Data Structures
			Artificial Neural Networks	Biomedical Instrumentation	Artificial Intelligence
					Remote Sensing & GIS
			Python Programming		
			Scripting Languages	Database Management Systems	Java Programming
					Fundamentals of Biomedical Applications
			Digital Image Processing		Utilization of Electrical Energy
				Network Security and Cryptography	Electric Drives and Control
					Basic Mechanical Engineering
					Basics of Aeronautical Engineering
					Intellectual Property Rights
					Principles of Entrepreneurship
					Basic Mechanical Engineering
					Natural Gas Engineering
					Engineering Materials
Surface Engineering					
Health & Safety in Mines					
Material Handling in Mines					

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COMPUTER SCIENCE AND ENGINEERING  (05-CSE)	Cryptography & Network Security	Data Mining	E4	E5	OE2
			Graph Theory	Advanced Algorithms	Remote Sensing & GIS
					Fundamentals of Biomedical Applications
					Electronic Sensors
					Utilization of Electrical Energy
			Introduction to Embedded Systems	Real Time Systems	Electric Drives and Control
					Basic Mechanical Engineering
				Soft Computing	Intellectual Property Rights
					Principles of Entrepreneurship
					Natural Gas Engineering
			Cloud Computing	Internet of Things	Surface Engineering
			Ad-hoc & Sensor Networks		Health & Safety in Mines
					Material Handling in Mines
				Software Process & Project Management	

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ELECTRONICS AND INSTRUMENTATI ON ENGINEERING  (10-EIE)	Analytical Instrumentation	Professional Practice, Law & Ethics	E3	E4	OE2
			Pharmaceutical Instrumentation	Biomedical Instrumentation	Remote Sensing & GIS
					Data Structures
			Virtual Instrumentation		Artificial Intelligence
					Python Programming
					Java Programming
			MEMS and its applications	Computer Networks	Electronic Sensors
					Utilization of Electrical Energy
					Electric Drives and Control
					Basic Mechanical Engineering
				Artificial Neural Networks	Basics of Aeronautical Engineering
					Intellectual Property Rights
					Principles of Entrepreneurship
					Natural Gas Engineering
					Engineering Materials
					Surface Engineering
Health & Safety in Mines					
Material Handling in Mines					

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INFORMATION TECHNOLOGY  (12- I T)	Information Security	Data Mining	E4	E5	OE2
			Web Security	Intrusion Detection Systems	Remote Sensing & GIS
				Real Time Systems	Fundamentals of Biomedical Applications
				Soft Computing	Electronic Sensors
				Distributed Databases	
			High Performance Computing	Software Process & Project Management	Utilization of Electrical Energy
			Artificial Intelligence		Electric Drives and Control
					Basic Mechanical Engineering
					Basics of Aeronautical Engineering
					Intellectual Property Rights
			Cloud Computing		Principles of Entrepreneurship
			Ad-hoc & Sensor Networks		Natural Gas Engineering
					Engineering Materials
					Surface Engineering
					Health & Safety in Mines
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<b>MECHANICAL ENGINEERING (MECHATRONICS)</b>  <b>(14-MECT)</b>	Automobile Engineering	E2	E3	E4	OE2
		Operations Research	Power Plant Engineering	Computational Fluid Dynamics	Remote Sensing & GIS
		Computer Organization	Product Design & Assembly Automation	Advanced Kinematics and Dynamics of Machinery	Data Structures
		Advanced Data Structures	Renewable Energy Sources	Flexible Manufacturing Systems	Artificial Intelligence
					Python Programming
					Java Programming
					Fundamentals of Biomedical Applications
					Electronic Sensors
					Utilization of Electrical Energy
					Electric Drives and Control
					Basics of Aeronautical Engineering
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<b>METALLURGICAL AND MATERIALS ENGINEERING</b>  <b>(18-MMT)</b>	Introduction to Instrumentation	Fundamentals of Management for Engineers	E3	E4	OE2
			Alternate Routes of Iron & Steel Making	Functional Materials	Remote Sensing & GIS
				Computational Materials Engineering	Data Structures
					Artificial Intelligence
					Python Programming
					Java Programming
				Ceramics Science and Technology	Fundamentals of Biomedical Applications
					Electronic Sensors
					Utilization of Electrical Energy
					Electric Drives and Control
					Basic Mechanical Engineering
					Basics of Aeronautical Engineering
					Intellectual Property Rights
					Principles of Entrepreneurship
					Basic Mechanical Engineering
					Natural Gas Engineering
					Health & Safety in Mines
					Material Handling in Mines
			Bio Materials		
			Non-Destructive Testing		

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<b>ELECTRONICS AND COMPUTER ENGINEERING ECM-(19)</b>	Data Mining	Machine Learning	Principles of Advanced Communications	E3	OE2
				Mobile Application Development	Surface Engineering
					Python Programming
					Data Structures
					Intellectual Property Rights
				Ad-hoc & Sensor Networks	Design Thinking
					Computer Security & Audit Assurance
					Basics of Aeronautical Engineering
					Java Programming
				VLSI Design	Artificial Intelligence
					Utilization of Electrical Energy
					Electronic Sensors
					Basic Mechanical Engineering
					Health & Safety In Mines
					Electric Drives And Control
					Fundamentals of Biomedical Applications
					Remote Sensing & Gis
					Principles of Entrepreneurship
					Natural Gas Engineering
					Engineering Materials
					Material Handling In Mines
					Data Mining
					Iot Automation
					AI Applications
					Optimization Techniques
					Data Analytics
					Introduction To Natural Language Processing
					Enterprise Resource Planning
					Social Media Security
					5G Technologies

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AERONAUTICAL ENGINEERING (21-AE)	Vibration and Aero-elasticity	E2	E3	E4	OE2
		Space Mechanics	Experimental Aerodynamics	Industrial Aerodynamics	Remote Sensing & GIS
					Data Structures
					Artificial Intelligence
					Python Programming
		Rockets and Missiles			Java Programming
		Wind Tunnel Technique	Hypersonic Aerodynamics	Turbo Machinery	Fundamentals of Biomedical Applications
			Advanced Computational Aerodynamics		Electronic Sensors
		Theory of Combustion			Utilization of Electrical Energy
					Electric Drives and Control
				Basic Mechanical Engineering	
				Intellectual Property Rights	
				Principles of Entrepreneurship	
			Natural Gas Engineering		
			Engineering Materials		
		Surface Engineering			
		Health & Safety in Mines			
Material Handling in Mines					

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MINING ENGG. (25-MNE)	Underground Metal Mining Technology	Mine Legislation	E3	E4	OE2
			Advanced Surface Mining	Rock Slope Technology	Remote Sensing & GIS
					Data Structures
			Rock Fragmentation Engineering	Mine Systems Engineering	Artificial Intelligence
					Python Programming
			Risk Assessment and Management	Dimensional Stone Technology	Java Programming
					Fundamentals of Biomedical Applications
					Electronic Sensors
					Utilization of Electrical Energy
					Electric Drives and Control
					Basic Mechanical Engineering
					Basics of Aeronautical Engineering
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PETROLEUM ENGINEERING  (27 - PTME)	Petroleum Economics, Policies & Laws	E2	E3	E4	OE2
		Optimization of Upstream Processes	Shale Gas Reservoir Engineering	Pipeline Maintenance Engineering	Remote Sensing & GIS
					Data Structures
				Artificial Intelligence	
			Petroleum Reservoir Stimulation	Natural Gas Processing	Python Programming
					Java Programming
		Petroleum Reservoir Modelling & Simulation	Petrochemical Engineering	Fundamentals of Biomedical Applications	
				Electronic Sensors	
				Utilization of Electrical Energy	
				Electric Drives and Control	
				Basic Mechanical Engineering	
				Basics of Aeronautical Engineering	
				Intellectual Property Rights	
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COMPUTER SCIENCE AND BUSINESS SYSTEMS (32-CSBS)	Design Thinking	Marketing Management And Research	E4	E5	Electronic Sensors
			BIG Data Analytics	Artificial Intelligence	Material Handling In Mines
				Digital Payment Systems	Intellectual Property Rights
				Image Processing	Python Programming
				Social Media Analytics	Optimization Techniques
			Devops	Block chain Technology	Java Programming
			Natural Language Processing		Computer Security & Audit Assurance
			Service Oriented Architectures		Basic Mechanical Engineering
					Data Structures
					Health & Safety In Mines
					Data Mining
					Surface Engineering
					Basics of Aeronautical Engineering
					Fundamentals of Biomedical Applications
					Principles of Entrepreneurship
					Introduction To Natural Language Processing
					Utilization of Electrical Energy
					Electric Drives And Control
					Artificial Intelligence
					Engineering Materials
					Data Analytics
					Remote Sensing & GIS
					AI Applications
					IOT Automation
					Social Media Security
					Natural Gas Engineering
					5G Technologies

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COMPUTER SCIENCE INFORMATION TECHNOLOGY CSIT(33)	Design Thinking	Mining Massive Datasets	E4	E5	Optimization Techniques		
			Internet of Things	Cyber Security	Health & Safety In Mines		
				Block chain Technology	Design Patterns	Remote Sensing & GIS	
						Natural Language Processing	Social Media Security
			Agile Methodology				Web and Social Media Analytics
				Predictive Analytics	Reinforcement Learning		
						Principles of Entrepreneurship	
			Enterprise Resource Planning				
						Introduction To Natural Language Processing	
						Data Mining	
						Utilization of Electrical Energy	
						Surface Engineering	
						Basic Mechanical Engineering	
						Fundamentals of Biomedical Applications	
						Basics of Aeronautical Engineering	
						Natural Gas Engineering	
						Design Thinking	
						5g Technologies	
				IoT Automation			
				Intellectual Property Rights			
				Engineering Materials			
			Material Handling In Mines				
			Computer Security & Audit Assurance				
			Electric Drives And Control				

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INFORMATION TECHNOLOGY AND ENGINEERING (34- ITE)	Internet of Things	Data Mining	E4	E5	OE2
			Pattern Recognition	Advanced Algorithms	Remote Sensing & GIS
				Natural Language Processing	Fundamentals of Biomedical Applications
			Cryptography & Network Security		Electronic Sensors
				Image Processing	
			Software Process & Project Management		Electric Drives and Control
				Distributed Systems	Basic Mechanical Engineering
			Deep Learning		Basics of Aeronautical Engineering
				Human Computer Interaction	Intellectual Property Rights
			Human Computer Interaction		Principles of Entrepreneurship
				Human Computer Interaction	Material Handling in Mines
			Human Computer Interaction		Natural Gas Engineering
				Human Computer Interaction	Engineering Materials
			Human Computer Interaction		Surface Engineering
				Human Computer Interaction	Health & Safety in Mines

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**IV YEAR B.TECH – I SEMESTER– R18 REGULATION II - MID TERM EXAMINATIONS DECEMBER-2023**

**TIMETABLE**

**TIME→ FN: 11.40 AM TO 1.00 PM (DESCRIPTIVE EXAM: 11.40 AM TO 12.40 PM, OBJECTIVE EXAM:12.40 PM TO 1.00 PM)**

**AN: 3.40 PM TO 5.00 PM (DESCRIPTIVE EXAM: 3.40 PM TO 04. 40 PM, OBJECTIVE EXAM: 4.40 PM TO 05.00 PM)**

BRANCH	11-12-2023 FN MONDAY	11-12-2023 AN MONDAY	12-12-2023 FN TUESDAY	12-12-2023 AN TUESDAY	13-12-2023 FN WEDNESDAY
<b>COMPUTER ENGINEERING (SOFTWARE ENGINEERING) (56-CE(SE))</b>	Agile Software Development	Machine learning	E4	E5	OE2
			Quantum Computing	Privacy Preserving In Data Mining	Basic Mechanical Engineering
				Cloud Computing Data Stream Mining	Basics of Aeronautical Engineering
					Remote Sensing & GIS
			Data Visualization Techniques	Software Quality Assurance	Optimization Techniques
			Natural Language Processing		Java Programming
			Information Storage Management		Fundamentals of Biomedical Applications
			Software Project Management	Exploratory Data Analysis	Health & Safety In Mines
					IOT Automation
					Natural Gas Engineering
					Python Programming
					Surface Engineering
					Introduction To Natural Language Processing
					Material Handling In Mines
					Enterprise Resource Planning
					Utilization of Electrical Energy
					Electric Drives And Control
					Electronic Sensors
					Intellectual Property Rights
					Design Thinking
					Data Structures
					Principles of Entrepreneurship
					Engineering Materials
					5G Technologies
					AI Applications
					Computer Security & Audit Assurance
					Social Media Security
					Artificial Intelligence

**Date: 06-12-2023**

**Sd/-**

**CONTROLLER OF EXAMINATIONS**

# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

KUKATPALLY - HYDERABAD – 5000 85

EXAMINATION BRANCH

## IV YEAR B.TECH – I SEMESTER– R18 REGULATION II - MID TERM EXAMINATIONS DECEMBER-2023

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COMPUTER SCIENCE AND ENGINEERING) (CYBER SECURITY) (62-CSE(CS)	Vulnerability Assessment & Penetration Testing	Network Management Systems and Operations	E4	E5	OE2
			Edge Analytics	Quantum Computing	Fundamentals of Biomedical Applications
			Web & Database Security	Data Analytics for Fraud Detection	Enterprise Resource Planning
			Computer Security & Audit Assurance	5G Technologies	Artificial Intelligence
					Optimization Techniques
					IOT automation
					Data Structures
				Security Incident & Response Management (SOC)	Health & Safety In Mines
				Authentication Techniques	Design Thinking
			Social Media Security		Utilization of Electrical Energy
			Deep Learning		Data Analytics
					Data Mining
					Remote Sensing & GIS
					Electric Drives And Control
					Basic Mechanical Engineering
					Electronic Sensors
					Intellectual Property Rights
					Basics of Aeronautical Engineering
					Python Programming
					Surface Engineering
					Material Handling In Mines
					Introduction To Natural Language Processing
					Engineering Materials
					Java Programming
					Principles of Entrepreneurship
					Natural Gas Engineering
					5G Technologies
					AI Applications

Date: 06-12-2023

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COMPUTER SCIENCE  AND ENGINEERING (ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING) (66-CSE(AI&ML))	Neural Networks & Deep Learning	Reinforcement Learning	E4	E5	OE2
			Quantum Computing	Social Network Analysis	IOT Automation
			Expert Systems	Federated Machine Learning	Optimization Techniques
			Cloud Computing		Data Analytics
			Game Theory	Augmented Reality & Virtual Reality	Health & Safety In Mines
			Mobile Computing	Web Security	Intellectual Property Rights
					Principles of Entrepreneurship
					Engineering Materials
					Design Thinking
				Ad-hoc & Sensor Networks	Social Media Security
					Remote Sensing & GIS
					Electronic Sensors
					Data Structures
					Java Programming
					Material Handling In Mines
					Electric Drives And Control
					Fundamentals of Biomedical Applications
					Surface Engineering
					5G Technologies
					Enterprise Resource Planning
					Basics of Aeronautical Engineering
					Computer Security & Audit Assurance
					Artificial Intelligence
					Python Programming
					Natural Gas Engineering
					Utilization of Electrical Energy
					Basic Mechanical Engineering
					Data Mining

Date: 06-12-2023

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COMPUTER SCIENCE AND ENGINEERING (DATASCIENCE) (67-CSE(DS))	Predictive Analytics	Web and Social Media Analytics	E4	E5	OE2
			Quantum Computing	Privacy Preserving in Data Mining	Electronic Sensors
			Database Security		Health & Safety In Mines
			Natural Language Processing		Artificial Intelligence
			Information Storage Management		Electric Drives And Control
			Internet of Things		Basic Mechanical Engineering
					Python Programming
					Fundamentals Of Biomedical Applications
					Intellectual Property Rights
					AI Applications
			Cloud Computing		Remote Sensing & GIS
			Data Science Applications	Data Structures	
			Mining Massive Datasets	Principles Of Entrepreneurship	
			Exploratory Data Analysis	Surface Engineering	
				Material Handling In Mines	
				Natural Gas Engineering	
				5G Technologies	
				Enterprise Resource Planning	
				Optimization Techniques	
				Computer Security & Audit Assurance	
				Engineering Materials	
				Social Media Security	
				Java Programming	
				Design Thinking	
			Engineering Materials		
			Social Media Security		
Enterprise Resource Planning					
Introduction To Natural Language Processing					
IOT Automation					
Utilization of Electrical Energy					

Date: 06-12-2023

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COMPUTER SCIENCE AND ENGINEERING (IOT) (69-CSE(IOT))	IoT Cloud Processing and Analytics	IoT Security	E4	E5	OE2	
			Quantum Computing	Embedded Software Design	Data Analytics	
			Wireless Networks	5G & IoT Technologies	Fundamentals of Biomedical Applications	
			Augmented Reality & Virtual Reality	Cognitive Computing	Basic Mechanical Engineering	
					Social Media Security	
			IoT Automation		Design Thinking	
					Data Structures	
			Ad-hoc & Sensor Networks	Distributed Systems	Material Handling In Mines	
				Edge Computing	Natural Gas Engineering	
					Engineering Materials	
					Data Mining	
					Remote Sensing & Gis	
					Electronic Sensors	
					Surface Engineering	
					Python Programming	
					Artificial Intelligence	
					Intellectual Property Rights	
					5G Technologies	
					Enterprise Resource Planning	
					Electric Drives And Control	
					Basics of Aeronautical Engineering	
					Introduction To Natural Language Processing	
					Utilization of Electrical Energy	
					Java Programming	
					Computer Security & Audit Assurance	
					Optimization Techniques	
					Principles of Entrepreneurship	
					Health & Safety In Mines	

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COMPUTER SCIENCE AND ENGINEERING (NETWORKS) (70- CSE(NETWORKS)	Cloud Computing	Cryptography and Network Security	E4	E5	OE2
			Neural Networks & Deep Learning	Real Time Systems	IOT Automation
				Ad-hoc & Sensor Networks	AI Applications
			Wireless Networks	Distributed Storage Networks	Basic Mechanical Engineering
			Information Retrieval Systems	Block chain Technology	
			Wireless Security	Software Process & Project Management	Social Media Security
			Network Management Systems and Operations		Enterprise Resource Planning
					Fundamentals Of Biomedical Applications
					Engineering Materials
					Basics of Aeronautical Engineering
					Utilization of Electrical Energy
					Principles of Entrepreneurship
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					Remote Sensing & GIS
					Data Analytics
					Design Thinking
					Electronic Sensors
					Data Structures
					Surface Engineering

Date: 06-12-2023

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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.

(iv) THE PATTERN OF THE DESCRIPTIVE AND OBJECTIVE TYPE QUESTION PAPERS SHALL BE IN REGULAR PATTERN AS GIVEN IN R18 REGULATION