



**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**  
UNIVERSITY EXAMINATION CENTER, KAKINADA

**III B.TECH II SEMESTER (R19 REGULATION) SUPPLEMENTARY EXAMINATIONS, DECEMBER-2023**

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

**TIME: 02.00 PM TO 05.00 PM**

BRANCH	DATE & DAY					
	16-12-2023 (Saturday)	19-12-2023 (Tuesday)	21-12-2023 (Thursday)	23-12-2023 (Saturday)	27-12-2023 (Wednesday)	29-12-2023 (Friday)
<b>CIVIL ENGINEERING (01 CE)</b>	Design & Drawing of Reinforced Concrete Structures (R1932011)	Water Resources Engineering – II (R1932012)	Geotechnical Engineering - I (R1932013)	Managerial Economics & Financial Analysis (R1932014)	<b>Program Elective – II :-</b>	<b>Open Elective – II (Choose any One</b>
					i) Pre-stressed Concrete (R193201A)	i) Disaster Management (R193201F)
					ii) Watershed Management (R193201B)	ii) Environmental Pollution & Control (R193201G)
					iii) Advanced Foundation Engineering (R193201C)	iii) Elements of Civil Engineering (R193201H)
					iv) Urban Transportation Planning (R193201D)	iv) Green Technology (R193201I)
					v) Architecture Town Planning (R193201E)	v) Smart Cities (R193201J)
						vi) Project Management (R193201K)
						vii) Traffic Safety (R193201L)
						viii) Geo-Spatial Technologies (R193201M)
ix) Wastewater Treatment (R193201N)						
<b>ELECTRICAL AND ELECTRONICS ENGINEERING (02 EEE)</b>	Electric Drives (R1932021)	Power System Analysis (R1932022)	Data Structures (R1932023)	Digital Control Systems (R1932024)	<b>Elective – I :-</b>	<b>Open Elective – I</b>
					i) Digital IC Applications (R193202A)	i) Renewable Energy Sources (R193202G) (Except EEE)
					ii) Communication Systems (R193202B)	ii) Essentials of Analog and Digital Electronics (R193202H) (Except EEE)
					iii) Computer Networks (R193202C)	iii) Electrical Estimation and Costing (R193202I) (Except EEE)
					iv) Internet of Things Applications To Electrical Engineering (R193202D)	iv) Power Electronics Devices & Circuits (R193202J) (Except EEE)
					v) VLSI Design (R193202E)	v) Fundamentals of Electrical Machines (R193202K) (Except EEE)
					vi) Cloud Computing (R193202F)	



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<b>MECHANICAL ENGINEERING (03 ME)</b>	Operations Research (R1932031)	Heat Transfer (R1932032) (Common to ME,AME)	CAD/CAM (R1932033)	.....	<b>Elective – I :-</b>	<b>Elective – II</b>
					i) Composite Materials (R193203A)	i) Material Characterization (R193203F)
					ii) Refrigeration & Air Conditioning (R193203B)	ii) Tribology (R193203G)
					iii) Unconventional Machining Processes (R193203C)	iii) Automobile Engineering (R193203H)
					iv) Advanced Mechanics of Solids (R193203D)	iv) Mechatronics (R193203I)
v) MOOCS(NPTEL/Swayam) (R193203E)	v) MOOCS(NPTEL/Swayam) (R193203J)					
<b>ELECTRONICS &amp; COMMUNICATION ENGINEERING (04 ECE)</b>	Wired and Wireless Transmission Devices (R1932041)	VLSI Design (R1932042)	Digital Signal Processing (R1932043)	Internet of Things (R1932044)	<b>Professional Elective (PE II) :-</b>	<b>Open Elective (OE1)</b>
					i) Cellular & Mobile Communication (R193204A)	i) Data Mining (R193204F)
					ii) Digital IC Design (R193204B)	ii) Power Electronics (R193204G)
					iii) Business Intelligence & Analytics (R193204C)	iii) MEMS and its Applications (R193204H)
					iv) Pattern Recognition(R193204D)	iv) Artificial Neural Networks(R193204I)
v) Robotics and Automation (R193204E)	iv) Principles of Communication (R193204J) (Except ECE)					
<b>COMPUTER SCIENCE &amp; ENGINEERING (05 CSE)</b>	Web Technologies (R1932051) (Common to CSE,IT)	Distributed Systems (R1932052)	Design and Analysis of Algorithms (R1932053)	Managerial Economics and Financial Accountancy (R1932054) (Common to CSE,IT)	<b>Professional Elective (PE II) :-</b>	<b>Open Elective (OE I) :-</b>
					i) Mobile Application Development (R193205A)	i) Data Structures (R193205E) (Except CSE and IT)
					ii) Information Retrieval System (R193205B)	ii) Java Programming (R193205F) (Except CSE and IT)
					iii) Social Networks Analysis (R193205C)	iii) Database Management Systems (R193205G) (Except CSE and IT)
					iv) MOOCS (NPTEL/SWAYAM) (R193205D)	iv) C++ Programming (R193205H) (Except CSE and IT)
						v) Operating Systems (R193205I) (Except CSE and IT)
	vi) Internet of Things (R193205J) (Except CSE and IT)					



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<b>INFORMATION TECHNOLOGY (12 IT)</b> (Common to CSE,IT)	<b>Web Technologies (R1932051)</b>	<b>Data Warehousing and Data Mining (R1932121)</b>	.....	<b>Managerial Economics and Financial Accountancy (R1932054)</b> (Common to CSE,IT)	<b>Professional Elective (PE II) :-</b>	<b>Open Elective (OE I) :-</b>
					i) Web Security (R193212A)	i) Data Structures (R193205E) (Except CSE and IT)
					ii) Software Project Management (R193212B)	ii) Java Programming (R193205F) (Except CSE and IT)
					iii) Natural Language Processing (R193212C)	iii) Database Management Systems (R193205G) (Except CSE and IT)
					iv) MOOCS (NPTEL/SWAYAM)(R193212D)	iv) C++ Programming (R193212E) (Except CSE and IT)
						v) Operating Systems (R193212F) (Except CSE and IT)
	vi) Internet of Things (R193212G) (Except CSE and IT)					
<b>AUTO MOBILE ENGINEERING (24 AME)</b>	<b>Electrical Vehicles &amp; Hybrid Technology (R1932241)</b>	<b>Heat Transfer (R1932032)</b> (Common to ME,AME)	<b>Automotive Chassis Design (R1932242)</b>	<b>Automotive Pollution and Control (R1932243)</b>	.....	<b>OPEN ELECTIVE(offered to other</b>
						i) Basic Automobile Engineering (R193224A)
						ii) Automotive Maintenance and Safety (R193224B)
						iii) Automotive Emissions and Effects (R193224C)
<b>MINING ENGINEERING (26 MM)</b>	<b>Mine Ground Control (R1932261)</b>	<b>Mineral processing (R1932262)</b>	<b>Under Ground Metal Mining Technology (R1932263)</b>	<b>Mining Machinery &amp; Mechanization-II (R1932264)</b>	.....	<b>Open Elective - II</b>
						i) Industrial Robotics (R193226A)
						ii) Artificial Intelligence (R193226B)
						iii) Introduction to Data Base Management System (R193226C)
<b>PETROLEUM ENGINEERING/ PETROLEUM TECHNOLOGY (27 PE)</b>	<b>Petroleum Production Engineering (R1932271)</b>	<b>Petroleum Reservoir Engineering-II (R1932272)</b>	<b>Petroleum Refinery &amp; Petrochemical Engineering (R1932273)</b>	.....	<b>Professional Elective (PE II) :-</b>	<b>OPEN ELECTIVE – II</b>
					i) Offshore Engineering (R193227A)	i) Basic concepts in Petroleum Drilling and Completions (R193227D)
					ii) Advanced Well Completion Engineering (R193227B)	ii) Basic concepts in Petroleum Production Engineering (R193227E)
					iii) Applied Mathematics in Reservoir Engineering (R193227C)	iii) Basic concepts in Petroleum Reservoir Engineering (R193227F)



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AGRICULTURAL ENGINEERING (35 AGE)	Irrigation and Drainage Engineering (R1932351)	Engineering Properties of Biological Materials (R1932352)	Farm Machinery Equipment - II (R1932353)	Dairy and Food Engineering (R1932354)	Professional Elective - I	Open Elective - I
					i) Seed Processing and Storage Engineering (R193235A)	i) Operations Research (R193235D)
					ii) Greenhouse Technology (R193235B)	ii) Robotics and Automation (R193235E)
					iii) Tractor Design and Testing (R193235C)	iii) Finite Element Method (R193235F)

**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) THE PRINCIPALS ARE REQUESTED TO INFORM THE UNIVERSITY ANY OTHER SUBSTITUTE SUBJECTS THAT ARE NOT INCLUDED IN THE ABOVE LIST IMMEDIATELY.

**DATE: 27-11-2023**

  
**Controller of Examinations (UG)**