

# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

## III B.TECH II SEMESTER (R20 REGULATION) REGULAR EXAMINATIONS, JULY - 2023

### TIME TABLE

TIME: 10.00 AM TO 01.00 PM

BRANCH	DATE & DAY					
	03.07.2023 (Monday)	05.07.2023 (Wednesday)	07.07.2023 (Friday)	11.07.2023 (Tuesday)	13.07.2023 (Thursday)	15.07.2023 (Saturday)
<b>CIVIL ENGINEERING (01 CE)</b>	Design And Drawing of Steel Structures (R2032011)	Water Resource Engineering (R2032012)	Geotechnical Engineering-II (R2032013)	<b><u>Professional Elective (PE- II) :-</u></b> Advanced Structural Analysis R203201A Architecture and Town Planning R203201B Road Safety Engineering R203201C Traffic Engineering R203201D	<b><u>Open Elective (OE II) :-</u></b> Elements of Civil Engineering R203201E Environmental Engineering R203201F Disaster Management R203201G Water Resource Engineering R203201H Hydraulics and Hydraulic Machinery R203201I Green Technologies R203201J Remote Sensing and GIS R203201K (Common to CE,MM)	.....
<b>ELECTRICAL AND ELECTRONICS ENGINEERING (02 EEE)</b>	Microprocessors and Microcontrollers (R2032021)	Electrical Measurements and Instrumentation (R2032022)	Power System Analysis (R2032023)	<b><u>Professional Elective (PE) :-</u></b> Signal and Systems R203202A Electric Drives R203202B Advanced Control Systems R203202C Switchgear and Protection R203202D Big Data Analytics R203202E	<b><u>Open Elective (OE II) :-</u></b> Battery Management Systems and Charging Stations R203202F Fundamentals of utilization of Electrical Energy R203202G Indian Electricity Act R203202H	HVDC Transmission R203202I
<b>MECHANICAL ENGINEERING (03 ME)</b>	Heat Transfer (R2032031)	Design of Machine Members-II (R2031032)	Introduction to Artificial Intelligence and Machine Learning (R2032033)	<b><u>Professional Elective (PE) :-</u></b> Automobile Engineering R203203A Smart Manufacturing R203203B Advanced Mechanics of Solids R203203C Statistical Quality Control R203203D Industrial Hydraulics and Pneumatics R203203E	<b><u>Open Elective (OE II) :-</u></b> Industrial Robotics R203203G Essentials of Mechanical Engineering R203203H Advanced Materials R203203I Introduction to Automobile Engineering R203203J	Advanced Computational Fluid Dynamics R203203K



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<b>ELECTRONICS &amp; COMMUNICATION ENGINEERING (04 ECE)</b>	Microprocessor and Microcontrollers (R2032041)	VLSI Design (R2032042)	Digital Signal Processing (R2032043)	<u>Professional Elective (PE) :-</u> Microwave Engineering R203204A Mobile & Cellular Communication R203204B Embedded Systems R203204C CMOS Analog IC Design R203204D	<u>Open Elective (OE II) :-</u> Basics of Signals and Systems R203204E Electronic Measurements and Instrumentation R203204F Principles of Signal Processing R203204G Industrial Electronics R203204H Consumer Electronics R203204I Fundamentals of Microprocessors and Microcontrollers R203204J Transducers and Sensors R203204K IOT and Applications R203204L Soft Computing Techniques R203204M IC Applications R203204N Principles of Communications R203204O Basic Electronics R203204P Data Communications R203204Q Digital Logic Design R203204R Remote Sensing and GIS R203204S Bio Medical Instrumentation R203204T	Principles of Communication R203204U, IOT Architecture and Its Protocols R203249C
<b>COMPUTER SCIENCE &amp; ENGINEERING (05 CSE)</b>	Machine Learning (R2032051) (Common to CSE,IT)	Compiler Design (R2032052)	Cryptography and Network Security (R2032053) (Common to CSE,IT)	<u>Professional Elective (PE) :-</u> Mobile Computing R203205A (Common to CSE,IT) Big Data Analytics R203205B Object Oriented Analysis and Design R203205C Network Programming R203205D (Comm to CSE,CSE(AI/ML),CSE(AI),AI/ML,CSD)	<u>Open Elective (OE II) :-</u> MEAN Stack Development R203205E <small>(Common to CSE,CSE(AI/ML,CSE(AI),CSE(DS),CSE(AI/DS),AIDS,AI/ML,CSD)</small> Python Programming R203205F (Common to CSE,IT) Web Technologies R203205G (Common to CSE,IT) Soft Computing R203205H Distributed Computing R203205I (Common to CSE,IT) AI and ML for Robotics R203205J (Common to CSE,IT) Computer Networks R203205K (Common to CSE,IT) Big Data Analytics R203205L (Common to CSE,IT) Computational Tools R203205M (Common to CSE,IT)	Computational Thinking R203205N, Operating Systems R203205Q, Database Management Systems R203205R, Mining Massive Data Sets R203205O, Natural Language Processing R203205P

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**

UNIVERSITY EXAMINATION CENTER, KAKINADA

**III B.TECH II SEMESTER (R19 REGULATION) SUPPLEMENTARY EXAMINATIONS, JULY - 2023****TIME TABLE****TIME: 10.00 AM TO 01.00 PM**

BRANCH	DATE & DAY					
	03.07.2023 (Monday)	05.07.2023 (Wednesday)	07.07.2023 (Friday)	11.07.2023 (Tuesday)	13.07.2023 (Thursday)	15.07.2023 (Saturday)
<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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**III B.TECH II SEMESTER (R19 REGULATION) SUPPLEMENTARY EXAMINATIONS, JULY - 2023****TIME TABLE****TIME: 10.00 AM TO 01.00 PM**

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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 (OE I)</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 (R193204I) (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)					





# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

III B.TECH II SEMESTER (R16)

UNIVERSITY EXAMINATION CENTER, KAKINADA

## III B TECH - II SEMESTER (R16 REGULATION) SUPPLEMENTARY EXAMINATIONS, JULY - 2023

### TIME TABLE

TIME: 10.00 AM TO 01.00 PM

BRANCH	DAY AND DATE				
	03.07.2023 (Monday)	05.07.2023 (Wednesday)	07.07.2023 (Friday)	11.07.2023 (Tuesday)	13.07.2023 (Thursday)
<b>CIVIL ENGINEERING (01-CE)</b>	Design and Drawing of Steel Structures (R1632011)	Geotechnical Engineering – I (R1632012)	Environmental Engineering – I (R1632013)	Water Resources Engineering–I (R1632014)	<b>OPEN ELECTIVE:-</b> Electronic Instrumentation Data Base Management Systems Alternative Energy Sources for Automobiles Waste water Management Fundamentals of Liquefied Natural Gas Green Fuel Technologies
<b>ELECTRICAL AND ELECTRONICS ENGINEERING (02-EEE)</b>	Power Electronic Controllers & Drives (R1632021)	Power System Analysis (R1632022)	Micro Processors and Micro controllers (R1632023)	Data Structures (R1632024)	<b>OPEN ELECTIVE:-</b> Unix and Shell Programming OOPS Through JAVA VLSI Design Robotics Neural Networks & Fuzzy Logic Energy Audit and Conservation & Management
<b>MECHANICAL ENGINEERING (03-ME)</b>	Metrology (R1632031)	Instrumentation & Control Systems (R1632032)	Refrigeration & Air-conditioning (R1632033)	Heat Transfer - (R1632034)	<b>OPEN ELECTIVE:-</b> Entrepreneurship Data Base Management System Waste Water Management Computer Graphics Industrial Robotics Green Engineering Systems
<b>ELECTRONICS &amp; COMMUNICATION ENGINEERING (04-ECE)</b>	Micro Processors & Micro Controllers (R1632041) (Common to ECE, EIE, E.COM.E)	Micro Wave Engineering (R1632042)	VLSI Design (R1632043) (Common to EEE- elective, ECE, EIE, E.COM.E)	Digital Signal Processing (R1632044)	<b>OPEN ELECTIVE:-</b> OOPs through Java Data Mining Industrial Robotics Power Electronics Bio-Medical Engineering Artificial Neural Networks



# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

III B.TECH II SEMESTER (R16)

## III B TECH - II SEMESTER (R16 REGULATION) SUPPLEMENTARY EXAMINATIONS, JULY - 2023

### TIME TABLE

TIME: 10.00 AM TO 01.00 PM

BRANCH	DAY AND DATE				
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<b>COMPUTER SCIENCE &amp; ENGINEERING (05-CSE)</b>	Computer Networks (Common to CSE, IT) (R1632051)	Data Warehousing and Mining (Common to CSE,IT) (R1632052)	Design and Analysis of Algorithms (R1632053)	Software Testing Methodologies (Common to CSE, IT) (R1632054)	<b>OPEN ELECTIVE:-</b>
					Artificial Intelligence
					Internet of Things
					Cyber Security
					Digital Signal Processing
					Embedded Systems
					Robotics
<b>ELECTRONICS AND INSTRUMENTATION ENGINEERING (10-EIE)</b>	Micro Processors & Micro Controllers (R1632041) (Common to ECE, EIE, E.COM.E)	Measuring Instruments (R1632102)	VLSI Design (Common to EEE- elective, ECE, EIE, E.COM.E) (R1632043)	Analytical Instrumentation (R1632101)	<b>OPEN ELECTIVE:-</b>
					OOPs through Java
					Data Mining
					Power Electronics
					Bio-Medical Engineering
					Artificial Neural Networks
<b>INFORMATION TECHNOLOGY (12-IT)</b>	Computer Networks (Common to CSE, IT)(R1632051)	Data Mining (R1632121)	Web Technologies (R1632122)	Software Testing Methodologies (Common to CSE, IT) (R1632054)	<b>OPEN ELECTIVE:-</b>
					Artificial Intelligence
					Social Networks and Semantic Web
					Digital Signal Processing
					Embedded Systems
					Robotics
					Operations Research



# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY: KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

## III B TECH - II SEMESTER (R13 REGULATION) SUPPLEMENTARY EXAMINATIONS, JULY - 2023

### T I M E T A B L E

TIME: 10.00 AM TO 01.00 PM

BRANCH	DATE AND DAY						
	03.07.2023 (Monday)	05.07.2023 (Wednesday)	07.07.2023 (Friday)	11.07.2023 (Tuesday)	13.07.2023 (Thursday)	15.07.2023 (Saturday)	18.07.2023 (Tuesday)
CIVIL ENGINEERING (01- CE)	Environmental Engineering - I RT32011	Geotechnical Engineering - II RT32012	Design and Drawing of Steel Structures RT32013	Water Resources Engineering-I RT32014	Transportation Engineering - II RT32015	<b>Open Elective</b>	-----
ELECTRICAL AND ELECTRONICS ENGINEERING (02 - EEE)	Microprocessors & Microcontrollers RT32021	Switchgear and Protection RT32022	Utilization of Electrical Energy RT32023	Power System Analysis RT32024	Management Science (comm to EEE and CHEM) RT32025	Power Semiconductor Drives RT32026	-----
MECHANICAL ENGINEERING (03 - ME)	Operations Research RT32031	Interactive Computer Graphics RT32032	Design of Machine Members- II RT32033	Robotics RT32034	Heat Transfer RT32035	Industrial Engineering Management RT32036	<b>Departmental Elective</b>
ELECTRONICS & COMMUNICATIONS ENGINEERING (04 - ECE)	Microprocessors and Microcontrollers (Com to ECE,EIE and E.Comp.E) RT32041	Digital Signal Processing RT32042	Digital Communications RT32043	Microwave Engineering RT32044	-----	<b>Open Elective</b>	-----
COMPUTER SCIENCE ENGINEERING (05 - CSE)	Software Engineering RT32051	Data Ware Housing and Mining (Comm to CSE,IT) RT32052	Computer Networks (Comm to CSE,IT) RT32053	Design and Analysis of Algorithms (Comm to CSE,IT) RT32054	Web Technologies (Comm to CSE,IT) RT32055	IPR and Patents (COMM TO CSE, IT, CHEM, PE)	-----