



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

IV B.TECH - I SEMESTER (R13) ADVANCED SUPPLEMENTARY EXAMINATIONS, MAY - 2022

T I M E T A B L E

TIME: 10.00 AM TO 1.00 PM

Branch	23-05-2022 (Monday)	24-05-2022 (Tuesday)	25-05-2022 (Wednesday)	26-05-2022 (Thursday)	27-05-2022 (Friday)	28-05-2022 (Saturday)
Civil Engineering (01)	Environmental Engineering – II (RT41011)	Prestressed Concrete (RT41012)	Construction Technology and Management (RT41013)	Water Resource Engineering - II (RT41014)	Remote Sensing and GIS Applications (RT41015)	Elective-I: Ground Improvement Techniques (RT41016)/ Air Pollution and Control (RT41017)/ Matrix methods of Structural Analysis (RT41018)/ Urban Hydrology (RT41019)/ Advanced Surveying (RT4101A)/ Interior Designs and Decorations (RT4101B)
Electronics & Communication Engineering (04)	VLSI Design (RT41041) (Common to ECE, EIE)	Computer Networks (RT41042)	Digital Image Processing (RT41043) (Common to ECE/EIE/ECC)	Computer Architecture & Organization (RT41044) (Common to ECE/EIE)	Elective-I: Electronic Switching Systems (RT41045)/ Analog IC Design (RT41046) (Common to ECE/EIE)/ Radar Systems (RT41048)/ Advanced Computer Architecture (RT41049) (Common to ECE/ECC)/ Object Oriented Programming & OS (RT41047)	Elective-II: Optical Communication (RT4104A)/ Digital IC Design (RT4104B)/ Speech Processing (RT4104C)/ Network Security & Cryptography (RT4104E)/ Artificial Neural Network & Fuzzy Logic (RT4104D)
Computer Science & Engineering (05)	Cryptography and Network Security (RT41051) (Common to CSE/IT)	UML & Design Patterns (RT41052) (Common to CSE/IT)	Mobile Computing (RT41053) (Common to CSE/IT)	Elective-II: Digital Forensics (RT4105A)/ Hadoop and Big Data (RT4105B) (Common to CSE/IT)/ Software Project Management (RT4105C) (Common to CSE/IT)/ Machine Learning (RT4105D)/ Advanced Databases (RT4105E) (Common to CSE/IT)	Elective-I: Software Testing Methodologies (RT41054)/ Simulation Modeling (RT41055)/ Information Retrieval Systems (RT41056) (Common to CSE/IT)/ Artificial Intelligence (RT41057) (Common to CSE/ECC)/ Multimedia Computing (RT41058) (Common to CSE/IT)/ High Performance Computing (RT41059)	---
Electronics & Instrumentation Engineering (10)	VLSI Design (RT41041) (Common to ECE/EIE)	Management Science (RT41102)	Elective-II: Mixed Signal Design (RT41106)/ Robotics & Automation (RT41107)/ EMI/EMC (RT41108)/ Digital Image Processing (RT41043) (Common to ECE/EIE/ECC) / Object Oriented Programming & OS (RT41047)	Computer Architecture & Organization (RT41044) (Common to ECE/EIE)	Elective-I: Quality and reliability Engineering Systems (RT41103)/ Analog IC Design (RT41046) (Common to ECE/EIE)/ Digital Control Systems (RT41104)/ Bio medical Instrumentation (RT41105)/ Artificial Neural Network & Fuzzy Logic (RT41109)	Data Acquisition Systems (RT41101)



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Information Technology (12)	Cryptography and Network Security (RT41051) (Common to CSE/IT)	UML & Design Patterns (RT41052) (Common to CSE/IT)	Mobile Computing (RT41053) (Common to CSE/IT)	Elective-II: Hadoop and Big Data (RT4105B)(Common to CSE/IT)/ Software Project Management (RT4105C) (Common to CSE/IT)/ Computer Vision (RT41122)/ Advanced Databases (RT4105E)(Common to	Elective-I: Embedded and Real Time Systems (RT41121)/ Information Retrieval Systems (RT41056) (Common to CSE/IT)/ Multimedia Computing (RT41058) (Common to CSE/IT)	---
Electronics & Computer Engineering (19)	Systems Programming (RT41191)	Digital Signal Processing (RT41192)	Digital Image Processing (RT41043) (Common to ECE/EIE/ECC)	Unix Programming (RT41193)	Elective-I: Artificial Intelligence (RT41057) (Common to CSE/ECC), Advanced Computer Architecture (RT41049)(Common to ECE/ECC), Data Communication (RT41194)	Elective-II: Web Design (RT41195), Fuzzy Logic and Neural Networks (RT41196), Structured Digital Design (RT41197)
Agricultural Engineering (35)	Micro Irrigation Engineering (RT41351)	Farm Machinery and Equipments - II (RT41352)	Post Harvest Engineering for Horticulture Produce (RT41353)	Mechanical Measurements and Instrumentation (RT41354)	Elective-I: Seed Processing and Storage Engineering (RT41355), Managerial Economic & Financial Analysis (RT41356), Food Processing Plant Design and Layout (RT41357)	Elective - II: Watershed Management (RT41358), Food Packaging Technology (RT41359), Computational Fluid Dynamics (RT4135A)
Electrical & Electronics Engineering (02)	Renewable Energy sources and Systems (RT41021)	HVAC & DC Transmission (RT41022)	Power Systems Operation & Control (RT41023)	Elective -I: VLSI Design (RT41028)/Electrical Distribution Systems (RT41029)/Optimization Techniques (RT4102A)	---	OPEN ELECTIVES: Energy Audit, Conservation and Management (RT41024)/ Instrumentation (RT41025)/ Non Conventional Sources of Energy (RT41026) (Except EEE)/ Optimization Techniques (RT41027) (Except EEE), MEMS (RT41035)/ Nano



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Mechanical Engineering (03)	Automobile Engineering (RT41031)	CAD/CAM (RT41032) (Common to ME/AE/AME)	Unconventional Machining Processes (RT41034)	Finite Element Methods (RT41033) (Common to ME/AE/AME)	Departmental Elective - II: Material Characterization Techniques (RT41037)/Design for Manufacture (RT41038)/Automation in Manufacturing (RT41039)/Industrial Hydraulics & Pneumatics (RT4103A), Advanced Computer Aided Engineering (RT4103B) (Under MOOCS)	Technology (RT41036), Industrial Pollution Control Engineering (RT41085)/ Design and Analysis of Experiments (RT41086)/ Green Fuel Technologies (RT41087) , Airport Management (RT41214), Automotive Pollution & Control (RT41245), Advanced Materials (RT41246), Industrial Hydraulic & Pneumatics (RT41247), Industrial Robotics (RT41265), Environmental Impact Assessment (RT41266), Numerical Methods (RT41267), Fundamentals of Petroleum Industry (RT41275), , Energy Management (RT41276)
Chemical Engineering (08)	Transport Phenomena (RT41081)	Chemical Engineering Plant Design (RT41082)	Process Modelling and Simulation (RT41083)	Biochemical Engineering (RT41084)	Elective-I: Advanced Separation Technology (RT41088)/Nanotechnology (RT41089)/Polymer Technology (RT4108A)	
Aeronautical Engineering (21)	Vibrations and Structural Dynamics (RT41211)	Elective- II: Analysis of Composite Structure (RT41215), Air Line Management (RT41216), Helicopter Engineering (RT41217), Quality and Reliability Engineering (RT41218)	Avionics (RT41213)	Finite Element Methods (RT41033) (Common to ME/AE/AME)	Computational Fluid Dynamics (RT41212) (Common to AE/AME)	



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TIME TABLE

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Automobile Engineering (24)	Vehicle Dynamics (RT41244)	CAD/CAM (RT41032) (Comm to ME/AME)	Automotive Chassis & Suspension (RT41248)	Finite Element Methods (RT41033) (Common to ME/AE/AME)	Elective-II: Micro Processors & Micro Controllers (RT41241), Computational Fluid Dynamics (RT41212)(Common to AE/AME), Operation Research (RT41242), Condition Monitoring (RT41243)	OPEN ELECTIVES: Energy Audit, Conservation and Management (RT41024)/ Instrumentation (RT41025)/ Non Conventional Sources of Energy (RT41026) (Except EEE)/ Optimization Techniques (RT41027) (Except EEE), MEMS (RT41035)/ Nano Technology (RT41036), Industrial Pollution Control Engineering (RT41085)/ Design and Analysis of Experiments (RT41086)/ Green Fuel Technologies (RT41087) , Airport Management (RT41214), Automotive Pollution & Control (RT41245), Advanced Materials (RT41246), Industrial Hydraulic & Pneumatics (RT41247), Industrial Robotics (RT41265), Environmental Impact Assessment (RT41266), Numerical Methods (RT41267), Fundamentals of Petroleum Industry (RT41275), , Energy Management (RT41276) Green Technologies (RT41016F)
Mining Engineering (26)	Mine Economics (RT41261)	Computer Applications in Mining (RT41262)	Rock Mechanics & Ground Control (RT41263)	Mine Legislation & General Safety (RT41264)	Industrial Engineering & Management (RT41268)	
Petroleum Engineering (27)	Integrated Asset Management (RT41271)	Enhanced Oil Recovery Techniques (RT41272)	HSE & FE in Petroleum Industry (RT41273)	Petroleum Reservoir Engineering - II (RT41274)	Elective-I: Offshore Engineering (RT41277), Pipeline Engineering (RT41278), Coal Bed Methane Engineering (RT41279)	

NOTE:

- i) ANY OMISSIONS OR CLASHES IN THIS TIME TABLE MAY PLEASE BE INFORMED TO THE CONTROLLER OF EXAMINATIONS (UG) 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 : 09.05.2022

Controller of Examinations