



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

UNIVERSITY EXAMINATION CENTER, KAKINADA

IV B.TECH II SEMESTER (R13) ADVANCED SUPPLEMENTARY EXAMINATIONS, OCTOBER - 2021

T I M E T A B L E

T I M E: 10.00 AM TO 1.00 PM

Branch	19.10.2021 (Tuesday)	21.10.2021 (Thursday)	23.10.2021 (Saturday)	25.10.2021 (Monday)
Civil Engineering (01)	Estimating, Specifications & Contracts (RT42011)	Elective-II: Engineering with Geo-synthetics (RT42012A)/ Environmental Impact Assessment and Management (RT42012B)/ Advanced Structural Engineering (RT42012C)/ Ground Water Development and Management (RT42012D)/ Traffic Engineering (RT42012E)/ Infrastructure Management (RT42012F)	Elective-III: Advanced foundation Engineering (RT42013A)/ Solid waste Management (RT42013B)/ Earthquake Resistant Design (RT42013C)/ Water Shed Management (RT42013D)/ Pavement Analysis and Design (RT42013E)/ Green Buildings (RT42013F)	Elective-IV: Soil Dynamics and Machine Foundations (RT42014A)/ Environmental and Industrial Hygiene(RT42014B)/ Repair and Rehabilitation of Structures(RT42014C)/ Water Resources System Planning and Management (RT42014D)/ Urban Transportation Planning (RT42014E)/ Safety Engineering (RT42014F)/ Bridge Engineering (RT42014G)
Electrical and Electronics Engineering (02)	Digital Control Systems (RT42021)	Elective-II: Advanced Control Systems (RT42022A) High Voltage Engineering (RT42022B) Special Electrical Machines (RT42022C)	Elective-III: Electric Power Quality (RT42023A)/ Digital Signal Processing (RT42023B)/ FACTS: Flexible Alternating Current Transmission Systems (RT42023C)	Elective-IV: OOPS Through Java(RT42024A)/ UNIX and Shell Programming (RT42024B)/ AI Techniques (RT42024C)/ Power System Reforms (RT42024D)/ Systems Engineering (RT42024E)
Mechanical Engineering (03)	Production Planning and Control (RT42031) <i>(Common to ME, Mining)</i>	Green Engineering Systems (RT42032)	Elective-III: Experimental Stress Analysis (RT42033A) <i>(Common to ME,AME)/</i> Mechatronics (RT42033B)/ Advanced Materials (RT42033C)/ Power Plant Engineering(RT42033D)	Elective-IV: Non Destructive Evaluation(RT42034A)/ Advanced Optimization Techniques(RT42034B)/ Gas Dynamics & Jet Propulsion(RT42034C)/ Quality and Reliability Engineering (RT42034D)
Electronics and Communication Engineering (04)	Cellular Mobile Communication (RT42041)	Electronic Measurements and Instrumentation (RT42042)	Elective-III: Satellite Communication (RT42043A)/ Mixed signal Design (RT42043B)/ Embedded systems (RT42043C) <i>(Common to ECE,EIE&ECC)</i> RF Circuit Design (RT42043D) Cloud Computing (RT42043E) <i>(Common to ECE,CSE)</i>	Elective-IV: Wireless Sensors and Networks (RT42044A) <i>(Common to ECE,EIE&ECC)</i> System on Chip (RT42044B) <i>(Common to ECE, EIE)</i> Low Power VLSI Design (RT42044C) Bio-Medical Ins(RT42044D) EMI/EMC (RT42044E) <i>(Common to ECE, ECC)</i>
Computer Science and Engineering (05)	Distributed Systems (RT42051) <i>(Common to CSE, IT)</i>	Management Science (RT42052) <i>(Common to CSE, IT & AME)</i>	Elective-IV: Micro processors and Multi Core Systems (RT42054A)/ Embedded and Real Time Systems (RT42054B)/ Neural Networks & Soft Computing (RT42054C) / Social Networks and the Semantic Web(RT42054D)/ Cloud Computing (RT42043E) <i>(Common to CSE, ECE)</i>	Elective-III: Human Computer Interaction (RT42053A)/ <i>(Common to CSE, IT)</i> Advanced Operating Systems (RT42053B)/ <i>(Common to CSE, IT)</i> Mobile Adhoc & Sensor Networks(RT42053C)/ <i>(Common to CSE, IT)</i> Pattern Recognition(RT42053D)/ <i>(Common to CSE, IT)</i> Digital Image Processing (RT42053E)/ Micro processors and Multi Core Systems (RT42053F)


Branch	19.10.2021 (Tuesday)	21.10.2021 (Thursday)	23.10.2021 (Saturday)	25.10.2021 (Monday)
Chemical Engineering (08)	Industrial Safety & Hazard Management (RT42081)	Elective-II: Multicomponent Distillation (RT42082A)/ Fluidization Engineering (RT42082B)/ Corrosion & Its Control (RT42082C)	Elective-III: Computational Fluid Dynamics (RT42083A)/ Optimization of Chemical Processes (RT42083B)/ Computational Methods in Chemical Engineering (RT42083C)	Elective-IV: Catalysis(RT42084A)/ Pipeline Engineering (RT42084B)/ Process Trouble Shooting (RT42084C)
Electronics & Instrumentation Engineering (10)	Industrial Automation (RT42101)	Data Communication (RT42102)	Elective-III: Digital IC Design (RT42103A)/ Embedded systems (RT42043C) <i>(Common to ECE,EIE&ECC)</i> Micro electromechanical systems (MEMS) (RT42103B)/ Computer Networks (RT42103C)/ Advanced Computer Architecture (RT42103D)	Elective-IV: Wireless Sensors and Networks (RT42044A) <i>(Common to ECE,EIE&ECC)</i> Calibration & standards (RT42104A)/ Fiber Optic Sensors (RT42104B)/ Telemetry & Tele control (RT42104C)/ System on Chip(RT42044B) <i>(Common to ECE&EIE)</i>
Information Technology (12)	Distributed Systems (RT42051) <i>(Common to CSE, IT)</i>	Management Science (RT42052) <i>(Common to CSE, IT & AME)</i>	Mathematical Opimization (RT42121)	Elective-III: Human Computer Interaction (RT42053A)/ <i>(Common to CSE, IT)</i> Advanced Operating Systems (RT42053B)/ <i>(Common to CSE, IT)</i> Mobile Adhoc & Sensor Networks(RT42053C)/ <i>(Common to CSE, IT)</i> Pattern Recognition(RT42053D)/ <i>(Common to CSE, IT)</i>
Electronics & Computer Engineering (19)	Automata Theory & Compiler Design (RT42192)/	Elective-IV: Real Time Operating Systems (RT42194B)	Embedded Systems (RT42043C) <i>(Common to ECE,EIE&ECC)</i>	Elective-IV: Wireless Sensor Networks (RT42044A) <i>(Common to ECE, ECC)</i> Network Security & Cryptography (RT42194C) EMI/EMC (RT42044E)(Common to ECE, ECC)
Aeronautical Engineering (21)	Aircraft Systems and Instrumentation (RT42211)	Structural Analysis and Detailed Design (RT42212)	Elective-III: Engineering Optimization(RT42213A)/ Propellant Technology(RT42213B)/ Boundary Layer Theory(RT42213C)/ Hypersonic Aerodynamics (RT42213D)	Elective-IV: Aero elasticity(RT42214A)/ Industrial Aerodynamics(RT42214B) / Advanced Computational Aerodynamics (RT42214C) / Fatigue and Fracture Mechanics (RT42214D)
Automobile Engineering (24)	Automotive Control Systems (RT42241)	Elective-IV: Management Science (RT42052) <i>(Common to CSE, IT & AME)</i> / Principles of Entrepreneurship (RT42244B)/ Simulation of SI and CI Engines (RT42244C)/ Modern Vehicle Technology (RT42244D)	Elective-III: Automotive Safety (RT42243A)/ Automotive Manufacturing (RT42243B)/ Auto Air Conditioning (RT42243C)/ Experimental Stress Analysis (RT42033A) <i>(Common to ME,AME)</i>	Vehicle Maintenance (RT42242)

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Mining Engineering (26)	Production Planning and Control (RT42031) <i>(Common to ME, MINING)</i>	Deep Sea Mining (RT42262A)/ Mine Construction (RT42262B)/ Tunneling Engineering (RT42262C)	Elective-III: Planning Of Underground Metal Mining Project (RT42263A) / Planning Of Underground Coal Mining Project (RT42263B) / Planning Of Surface Mining Project (RT42263C)	Elective-IV: Maintenance And Reliability Engineering (RT42264A) / Rock Excavation Engineering (RT42264B) / Mine Health And Safety Engineering (RT42264C)
Petroleum Engineering (27)	Petroleum Economics, Regulations & Policies (RT42271)	Reservoir Modeling & Simulation (RT42272A)/ Horizontal Well Technology (RT42272B)/ LNG-Processes, transportation & Storage (RT42272C)	Elective-III: Reservoir Stimulation (RT42273A)/ Subsea Engineering (RT42273B)/ Fundamentals of Multiphase Flow (RT42273C)	Elective-IV: Natural Gas Hydrates (RT42274A) / Advanced Natural Gas Engineering (RT42274B) / Petroleum Biotechnology (RT42274C)
Agricultural Engineering (35)	Design of Agricultural Machinery (RT42351)	Agro Industries and Bi-product Utilization (RT42352)	Elective-III: GIS and Remote Sensing(RT42353A) Human Engineering and Safety(RT42353B) Production Technology of Agricultural Machinery (RT42353C)	Elective-IV: Minor Irrigation and Command area development(RT42354A) Hydraulic Devices and Control (RT42354B) Principles of Entrepreneurship (RT42354C)

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 :01-10-2021


Controller of Examinations