



B.E Eighth Sem. (CBS). WINTER 2024
(187 TO 197)

RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY
B. E. EIGHTH SEMESTER (CREDIT BASED SYSTEMS) EXAMINATION OF WINTER 2024
PROGRAMME: WRITTEN
Time: 02.00 P.M. To 05.00 P.M.

Sr. No.	Name of Branch	Day	Thursday	Saturday	Tuesday	Thursday	Saturday
		Date	17/10/2024	19/10/2024	22/10/2024	24/10/2024	26/10/2024
1	Civil Engineering		Irrigation Engineering	-----	Construction Economics & Finance	Elective – II 1. Advanced Structural Analysis 2. Pre-Stressed Concrete 3. Pavement Analysis & Design 4. Watershed Management 5. Environment Management System 6. Water Transmission & Distribution System 7. Geotechnical Investigation & Ground Improvement Techniques 8. Advanced Engineering Geology 9. Water Power Engineering 10. Forensic Civil Engineering 11. Disaster Response & Management Techniques	Elective – III 1. Advanced Geotechnical Engineering 2. Advanced Concrete Technology 3. Advanced Reinforced Cement Concrete Design 4. Advanced Steel Design 5. Water & Waste Water Treatment 6. Applied Remote Sensing & GIS
2	Electronics Engineering		Microelectromechanical System & System on Chip	Computer Communication Network	CMOS VLSI Design	Elective – II 1. Wireless Sensor Network 2. Nanotechnology 3. Fuzzy Logic & Neural Networks 4. Satellite Communication	Elective –III 1. Artificial Intelligence 2. Robotics & Automation 3. Speech Processing 4. Data Compression & Encryption
3	Electrical Engineering (Electronics & Power)		Switchgear & Protection	Computer Applications in Power System	-----	Elective –II 1. Entrepreneurship Development 2. Digital Signal Processing 3. Power Quality 4. EHV AC & HVDC Transmission	Elective –III 1. Bio-Medical Engineering 2. Advanced Microprocessor Peripherals 3. power Semiconductor Based Electric Drives 4. Electrical Distribution System
4	Elect. & Telecommunication / Elect. & Communication Engineering		Microwave & Radar Engineering	Computer Communication Network	Wireless & Mobile Communication	Elective –II 1. Wireless Sensor Network 2. Embedded System 3. Digital Image Processing 4. Artificial Intelligence	Elective –III 1. Random Signal Theory 2. Robotics & Automation 3. Satellite Communication 4. CMOS VLSI Design
5	Computer Science & Engineering		Distributed Operating System	Information & Cyber Security	-----	Elective –III 1. Pattern Recognition 2. Soft Computing Tech. 3. Optimization Techniques 4. Clustering & Cloud Computing	Elective –IV 1. Advance Wireless Sensor Network 2. Digital Image Processing 3. Natural Language Processing 4. Digital Forensic

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		Date	17/10/2024	19/10/2024	22/10/2024	24/10/2024
6	Mechanical Engineering	Automation in Production	Industrial Management	Energy Conversion – III	Elective –II 1.Finite Element Method 2.Computer Integrated Manufacturing 3.Industrial fluid Power 4. Management Information Systems 5.Refrigeration & Air Conditioning 6. Stress Analysis	Elective –III 1.Advanced Manufacturing Techniques 2. Machine Tool Design 3. Renewable Energy Systems 4.Mechanical Vibrations 5. Advance I.C. Engine 6. Tribology
7	Computer Technology	Data Warehousing & Mining	Cyber & Information Security	-----	Elective –III 1.Pattern Recognition 2. Parallel Computing 3.Bio Informatics 4. Web Data Management 5. Human Computer Interface	Elective –IV 1. Computational Geometry 2.Cloud Computing 3.Digital Forensic 4. Cognitive Science 5. Digital Image Processing
8	Computer Engineering	UNIX & Shell Programming	Distributed Systems & Grid Computing	-----	Elective –III 1.Wireless Communication & Mobile Computing 2.Software Testing & Quality Assurance 3.Bio-Informatics & Cyber Security	Elective –IV 1. Real Time Systems 2. Expert System Design 3. Multimedia System
9	Information Technology	Gaming Architecture & Programming	Distributed Systems	-----	Elective –III 1.Embedded Systems 2.Digital Image Processing 3.Pattern Recognition 4.Machine Learning	Elective –IV 1.Cyber Security 2.Cloud Computing 3.E- Commerce & Enterprise Resource Planning 4.Wireless Sensor Networks
10	Power Engineering	Switchgear & Protection	Industrial Management	Power plant Erection & Commissioning	Power Plant Maintenance Practices	Elective –I 1.Renewable Energy Systems 2.Operations Research 3. Material Handling System
11	Aeronautical Engineering	Air Transportation	Vibration & Aero elasticity	Elective –I 1.Theory of Elasticity 2.Optimization Techniques 3.Reliability Centered Maintenance 4.Aircraft Mechanism-Analysis & Synthesis	Elective –II 1.Finite Element Method 2.Airframe Maintenance & Repair 3.Aero-Engine Maintenance & Repair 4.Flight Dynamics	Elective –III 1.Experimental Stress Analysis 2.Fatigue & Fracture 3. Computational Fluid Dynamics

GENERAL INSTRUCTION S FOR SEATING ARRANGEMENT

The name of the College Centre is already Printed on the Admission Card of each Candidate. However, it is notified for general information of the Candidates that: -

The seating arrangement for the Centre will be notified separately seven days prior to the Commencement of the written examination at the respective College / Centre, The Candidates concerned will also be able to get the necessary information from that chart of seating arrangement sent to the concerned College by University

Nagpur

Date: 17-09-2024

Director
Board of Examination & Evaluation
Rashtrasant Tukadoji Maharaj University, Nagpur