



B.E. Seventh Sem. (CBCS) WINTER 2023

RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY
B. TECH. ALL BRANCH SEVENTH SEMESTER OF (CHOICE BASED CREDIT SYSTEM) EXAMINATION OF WINTER 2023

(584 to 597)

PROGRAMME: WRITTEN
Time: 02.00 P.M. To 05.00 P.M.

| Sr. No. | Name of Branch | Day | Tuesday | Thursday | Saturday | Wednesday | Friday | Monday |
|---------|------------------------|------|--|--|---|---|--|------------|
| | | Date | 21/11/2023 | 23/11/2023 | 25/11/2023 | 29/11/2023 | 01/12/2023 | 04/12/2023 |
| 1 | Civil Engineering | | Design of Steel Structure Time: 02.00 P.M. To 06.00 P.M. | Elective IV 1. Advanced RCC Design 2. Advanced Soil Engineering 3. Sustainable Resource management 4. Building Construction Practices 5. Design of Hydraulic Structure 6. Advanced Traffic engineering & management | Elective V 1. Advanced Steel Design 2. Advanced Foundation Engineering 3. Air Pollution & Solid Waste Management 4. Precast And Modular Construction Practices 5. Hydropower Engineering 6. Bridge Engineering | Open Elective-II 1.Civil Engineering Materials, Testing and Evaluation | Elective VI 1. Design of earthquake Resistant structure 2. Advanced Engineering Geology 3. Water and Wastewater Treatment 4. Forensic in Civil Engineering 5. Irrigation Management 6. Pavement analysis & Design | ***** |
| 2 | Mechanical Engineering | | Elective III 1.Mechatronics 2.Computer Aided Design 3.Advancements in Automobile Engg. 4.Computation Fluid Dynamics | Energy Conversion - III | ---- | Open Elective-II 1.Introduction to Electric Vehicles 2.Waste Management 3.Finance & Cost Management 4.Industrial Robotics 5.Introduction to Renewable Energy resources | Design of Transmission systems | |
| 3 | Electrical Engineering | | Professional Elective - III 1. Advanced Power Electronic 2. HV Engineering 3. Energy Management & Audit | Professional Elective - IV 1. Digital Signal Processing & its Applications 2. Electrical Installation & Design 3. Flexible AC Transmission System | Professional Elective - V 1. Electrical Machine Design 2. Electric & Hybrid Vehicles 3. Introduction to Smart Grid | Open Elective-II 1. Power Plant Engineering 2. Fundamental of Control System 3. Testing & Maintenance of Electrical Equipment | ---- | --- |

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| 4. | Electronics Telecommunication Engg/ Electronics Communication Engg/ Electronics Engineering | | Program Elective-III 1. Audio and Video Engineering 2. Web Technologies 3. Wireless Mobile Communications 4. Robotics and Automation | Program Elective-IV 1. Mixed Signal Design 2. Data Science/ Cloud Computing 3. Microwave & Radar Engg. 4. PLA and Scada | Program Elective-V 1. Soft computing 2. Fundamentals of Machine Learning 3. Optical Communication 4. Biomedical Engineering | Open Elective II 1. Mechatronics 2. Bioengineering | | |
| 5 | Computer Science & Engg. | | Cryptography & Network Security | ----- | Program Elective - IV 1. Deep Learning 2. Optimization Techniques 3. Gaming Architecture 4. Salesforce Technology | Open Elective - II 1. Python Programming 2. Java Programming 3. Basics of Database Management System | Program Elective - V 1. Natural Language Processing 2. Big Data Analytics 3. Mobile Computing | |
| 6 | Computer Technology | | Cryptography & Network Security | ----- | Elective - IV 1. Deep Learning 2. Optimization Techniques 3. Data Visualization | Open Elective - II 1. Python Programming 2. Java Programming 3. Data Structure | Elective - V 1. Parallel Computing 2. Multimedia Computing 3. Human Computer Interface | |
| 7 | Information Technology | | Data Warehousing & Mining | ----- | Program Elective - IV 1. Deep Learning 2. Cryptography & Network Security 3. Compiler Design 4. Salesforce | Open Elective - II 1. Python Programming 2. Java Programming 3. Data Base Management System | Program Elective - V 1. Natural Language Processing 2. Big Data Analytics 3. Mobile Computing | |
| 8 | Computer Engineering | | Cryptography & Network Security | ----- | Elective - IV 1. Deep Learning 2. Block chain Technology 3. Augment & Virtual Reality 4. Salesforce Technology | Open Elective - II 1. Joy of Computing using Python 2. Data Visualization 3. Data Base Management System | Elective - V 1. Natural Language Processing 2. Compiler Design 3. Introduction to software Testing | |
| 09 | Aeronautical Engineering | | Air Transportation & Management | ---- | Elective - IV 1. Avionics - II 2. Computational fluid dynamics 3. Finite Element Method 4. Aircraft Maintenance and overhaul | Open Elective - II 1. Introduction to multi-disciplinary design optimization 2. Relativity, Cosmology, & the Early Universe 3. MATLAB for Engineering Application | Elective - III 1. Reliability Centered Maintenance 2. UAV Systems Design 3. Theory of Vibrations | |

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| 10 | FIRE ENGINEERING | Fire & Arson Investigation | Fire Risk Assessment | Special Hazards | Elective - I 1.Nuclear Reactors and Safe 2.Chemical Process Safety 3.Occupational Health & Hygiene Management 4.Disaster Management | Open Elective - I 1.Robotics 2.Cyber Security 3.Internet of Thing 4.Artificial Intelligence | | |
| 11 | Artificial Intelligence& Data Science | Modern Compiler Design | Digital Signal & Image Processing | Elective -III 1.Human Computer Interaction 2. Medical Image Analysis 3. Data Compression & Encryption Techniques 4.Micro-Electro Mechanical Systems 5. Reinforcement Learning 6. Information Retrieval | Open Elective - II 1. Soft Computing & Evolutionary AI 2. Big Data Analytics 3. Python Programming | -- | -- | |
| 12 | Artificial Intelligence | Modern Compiler Design | Digital Signal & Image Processing | Elective -III 1.Human Computer Interaction 2. Medical Image Analysis 3. Data Compression & Encryption Techniques 4.Micro-Electro Mechanical Systems | Open Elective - II 1. Soft Computing & Evolutionary AI 2. Big Data Analytics 3. Python Programming | -- | -- | |

Note :- Clarification on open Elective : 1. Course offered under open elective by a program can't be opted by the students of the same program.

GENERAL INSTRUCTIONS 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: 26-10-2023

(Dr. Prafulla M. Sable)

Director

Board of Examination & Evaluation

Rashtrasant Tukadoji Maharaj University, Nagpur