RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY (584 to 597)
B. TECH. ALL BRANCH SEVENTH SEMESTER OF (CHOICE BASED CREDIT SYSTEM) EXAMINATION OF WINTER 2023

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 Managemen t 4. Precast And Modular Constructio n 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 3Enegre Management & Audit	**Professional Elective – IV** 1.Disital 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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		Date	Date	21/11/2023	23/11/2023	25/11/2023	29/11/2023	01/12/2023
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. Microware & 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 – III** 1. Avionics – II 2. Computational fluid dynamics 3. Finite Element Method 4. Aircraft Maintenance and overhaul	**Open Elective – IV** 1. Reliability Certered Maintenance 2.UAV Systems Design 3.Theory of Vibrations	---	**Open Elective – III** 1. Introduction to multi-disciplinary design optimization 2. Relativity, Cosmology, & the Early Universe 3.MATLAB for Engineering Application

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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 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

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Nagpur
Date: 06-05-2023
(Dr. Prafulla M. Sable)
Director
Board of Examination & Evaluation
Rashtrasant Tukadoji Maharaj University, Nagpur