



REVISED
First Sem. B.TECH.(B.E.)
(C.B.C.S.) WINTER 2023
(508,)

RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY

**FIRST SEMESTER B.TECH. (B.E.)ALL BRANCHES (CHOICE BASED CREDIT SYSTEMS) EXAMINATION
WINTER 2023**

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

Day	Date	Subject
Monday	18-12-2023	Mathematics -I
Wednesday	20-12-2023	Applied Physics
Friday	22-12-2023	Engineering Graphics
Tuesday	26-12-2023	Energy and Environment
Thursday	28-12-2023	Communication Skills

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: 30-11-2023

(Dr. Prafulla M. Sable)

Director

Board of Examination & Evaluation

Rashtrasant Tukadoji Maharaj University, Nagpur



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2nd Sem. B.Tech. (CBCS)
WINTER 2023
(171)

RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY
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**SECOND SEMESTER B.TECH.ALL BRANCHES (CHOICE BASED CREDIT SYSTEMS) (C.B.C.S.)
EXAMINATION OF WINTER 2023**

**# PROGRAMME: WRITTEN #
Time: 09.30 A.M. To 12.30 P.M.**

Day	Date	Subject
Wednesday	22-11-2023	Mathematics -II
Friday	24-11-2023	Advanced Engineering Materials
Tuesday	28-11-2023	Applied Chemistry
Thursday	30-11-2023	Computational Skills
Saturday	02-12-2023	Basics of Electrical Engineering
Tuesday	05-12-2023	Engineering Mechanics

GENERAL INSTRUCTION S FOR SEATING ARRANGEMENT

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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



Third Semester B.TECH. WINTER 2023 RE- **REVISED**
(522 TO 540)

RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY

THIRD SEMESTER B. TECH. ALL BRANCH (CHOICE BASED CREDIT SYSTEMS)) 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	19/12/2023	21/12/2023	23/12/2023	27/12/2023	29/12/2023	01/01/2024
1	Civil Engineering		Applied Maths-III	Fluid Mechanics	Solid Mechanics	Geotechnical Engineering	Building Construction & Elementary Building Drawing	* Effective Technical Communication
2	Electrical Engineering (Electronics & Power)		Electrical Engineering Maths.	Electrical Measurement & Instrumentation	Analog Devices & Circuits	Network Analysis	Renewable Energy studies	Introduction to Python programming
3	Electronics Engineering		Applied Maths-III	Components for Electronic circuit design	Digital System Design	Network Theory	Signal & System	Measurement and Instrumentation
4	Electronics Telecommunication Engg/ Electronics Commun. Engg		Applied Maths-III	Components for Electronic circuit design	Digital System Design	Network Theory	Signal & System	Measurement and Instrumentation
5	Computer Science & Engg.		Applied Mathematics – III	Object Oriented Programming with Java	Operating System	Computer Architecture & Digital System	Ethics in IT	*Universal Human Values
6	Computer Science & Engg. (Data Science)		Mathematics Foundations for Data Science	Object Oriented Programming	Operating System	Computer Architecture & Digital System	Ethics in IT	*Universal Human Values
7	Computer Technology		Mathematics – III	Problem Solving using Python	Digital Design & Fundamentals of Microprocessor	Computer Architecture & Organization	Theoretical Foundations of Computer Science	*Universal Human Values
8	Computer Engineering		Mathematics – III	Object Oriented Programming	Digital Circuits & Fundamentals of Microprocessor	Theory of Computation	Introduction to Computer Networks	*Universal Human Values
9	Mechanical Engineering (OLD)		Applied Mathematics – III	Manufacturing Processes	Engineering Thermodynamics	Kinematics of Machines	--	--
10	Mechanical Engineering (NEW)		Applied Mathematics – III	Manufacturing Processes	Fluid Mechanics	Kinematics of Machines	--	Material Science & Engineering

Sr. No.	Name of Branch	Day	Tuesday	Thursday	Saturday	Wednesday	Friday	Monday
		Date	19/12/2023	21/12/2023	23/12/2023	27/12/2023	29/12/2023	01/01/2024
11	Aeronautical Engineering	Applied Mathematics – III	Aero-Thermodynamics	Fluid Mechanics & Machinery	Avionics – I	Elements of Aeronautics	Aerodynamics-I	
12	Information Technology	Applied Mathematics – III	Programming Logic & Design using “C”	Digital Electronics & Fundamentals of Microprocessor	Emerging Trends in Information Technology	System Programming	*Universal Human Values	
13	FIRE ENGINEERING	Fluid Mechanics	Advanced Electrical Systems	Structural Mechanics	Engineering Thermodynamics	Universal Human Values – II	--	
14	Artificial Intelligence & Data Science	Discrete Mathematics and Graph Theory	Operating Systems	Computer Architecture & Organization	Data Structures	Digital Circuits & Fundamentals of Microprocessor	*Universal Human Values	
15	Artificial Intelligence	Discrete Mathematics and Graph Theory	Operating Systems	Computer Architecture & Organization	Data Structures	Digital Circuits & Fundamentals of Microprocessor	*Universal Human Values	
16	Industrial IOT	Discrete Mathematics & Graph Theory	Operating Systems	Sensors & Actuators	Data Structures & Algorithm Design	Logic Design & Microcontroller	*Universal Human Values	
17	Robotics and Artificial Intelligence	Discrete Mathematics & Graph Theory	Operating Systems	Principles of Robotics	Data Structures Algorithms	Analog and Digital Circuit	*Universal Human Values	
18	Artificial Intelligence & Machine Learning	Discrete Mathematics & Graph Theory	Operating Systems	Computer Architecture & Organization	Data Structures	Digital Circuits & Microprocessor	*Universal Human Values	
19	Computer Science & Engg. (AI-ML)	Mathematics Foundations for AI-ML	Object Oriented Programming G WITH PYTHON	Operating System	Computer Architecture & Digital System	Ethics in IT	*Universal Human Values	

Note :- * Time: 02.00 P.M. To 04.00 P.M.

GENERAL INSTRUCTIONS FOR SEATING ARRANGEMENT

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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: 16-11-2023

(Dr. Prafulla M. Sable)

Director

Board of Examination & Evaluation

Rashtrasant Tukadoji Maharaj University, Nagpur



Fourth Semester B.TECH.(C.B.C.S.) WINTER 2023
(185 TO 201)

RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY

FOURTH SEMESTER B. TECH. ALL BRANCH (CHOICE BASED CREDIT SYSTEMS) EXAMINATION OF WINTER 2023

PROGRAMME: WRITTEN

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

Sr. No.	Name of Branch	Day	Thursday	Saturday	Wednesday	Friday	Monday	Wednesday	
		Tuesday							
		Date	17-10-2023	19-10-2023	21-10-2023	25-10-2023	27-10-2023	30-10-2023	01-11-2023
1	Civil Engineering	Concrete Technology	Structural Analysis	Environmental Engineering	Transportation Engineering	Surveying & Geomatics	-----	-----	
2	Electrical Engineering	Electrical machines-I	Power System	Digital Electronics	Electromagnetic Fields	Signal & Systems	Simulation & Programming Techniques	-----	
3	Electronics Engineering	Microcontrollers & Applications	Analog & Digital Communications	Analog System Design	Data structure & Algorithm	HSC: Numerical Mathematics & Probability Using MATLAB	Programming for problem solving	Universal Human Values	
4	Electronics Telecommunication Engg/ Electronics Communication Engg	Microcontrollers & Applications	Analog & Digital Communications	Analog System Design	Data structure & Algorithm	HSC: Numerical Mathematics & Probability Using MATLAB	Programming for problem solving	Universal Human Values	
5	Computer Science & Engg.	Discrete Mathematics & Graph Theory.	Data Structure & Program Design	Theory of Computation	Computer Networks	Database Managements Systems	System Programming.	-----	
6	Computer Technology	Discrete Mathematics & Graph Theory.	Social Ethics in information Technology	Object Oriented Programming Using Java	Data Structures. & Program Design	Computer Networks	Operating System	-----	
7	Computer Engineering	Discrete Mathematics & Graph Theory.	Web Technology	Computer Architecture and Organization	Data Structures	System Programming.	Operating System	-----	
08	Mechanical Engineering	Machining Processes	Fluid Mechanics & Hydraulic Machines	Material Science & Engineering	Mechanics of Material	Professional Ethics	-----	-----	
09	Information Technology	Discrete Mathematics & Graph Theory.	Data Structure & Program Design	Object Oriented Programming System	Computer Architecture & Organization.	Introduction to Computer Network	Operating System	-----	
10	Aeronautical Engineering	Manufacturing Process- I	Aircraft Structure- I	Aerodynamics-II	Propulsion- I	Aircraft Flight Mechanics	Professional Ethics	-----	

Sr. No.	Name of Branch	Day	Thursday	Saturday	Wednesday	Friday	Monday	Wednesday	
		Tuesday							
		Date	17-10-2023	19-10-2023	21-10-2023	25-10-2023	27-10-2023	30-10-2023	01-11-2023
11	FIRE ENGINEERING	Fire Service Hydraulics	Heat and Mass Transfer	Basic Electronics and Communication	Fundamentals of Fire Engineering	Structural Fire Protection	-----	-----	
12	Artificial Intelligence & Data Science	Introduction to AI	Theory of Computation	Mathematical Foundation for Data Science	Object Oriented Programming with JAVA	Database Management Systems	Microcontroller & Embedded System	-----	
13	Artificial Intelligence	Artificial Intelligence	Theory of Computation	Mathematical foundation for Artificial Intelligence	Object Oriented Programming with JAVA	Database Management Systems	Microcontroller & Embedded System	-----	
14	Industrial IOT	Introduction to Artificial Intelligence	Computer Networks	Analog & Digital Communication	Object Oriented Programming	Database Management Systems	Embedded System for IOT		
15	Robotics and Artificial Intelligence	Introduction to AI	Computer Networks	Robotics Sensor Technology	Object Oriented Programming	Robot Kinematics	Intelligent Embedded System	-----	
16	Artificial Intelligence & Machine Learning	Introduction to AI	Mathematical Foundation for AI&ML	Theory of Computations	Object Oriented Programming with JAVA	Database Management System	Microcontroller & Embedded System	-----	
17	Computer Science & Engg. (Data Science)	Discrete Mathematics and Graph Theory	Data Structure & Program Design	Theory of Computations	Computer Network	Database Management System	System Program	-----	

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Nagpur

Date: 10-09-2023

(Dr. Prafulla M. Sable)

Director

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



RE- **REVISED** FIFTH Semester B.TECH.(C.B.C.S.) WINTER 2023 (541 TO 559)

RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY

FIFTH SEMESTER B. TECH. ALL BRANCH (CHOICE BASED CREDIT SYSTEMS) EXAMINATION OF WINTER 2023

PROGRAMME(WRITTEN)

Time : 2.00 P.M. To 05.00 P.M.

Sr. No.	Name of Branch	Day	Wednesday	Friday	Tuesday	Thursday	Saturday	Tuesday
		Date	22/11/2023	24/11/2023	28/11/2023	30/11/2023	02/12/2023	05/12/2023
1	Civil Engineering	Hydraulic Engineering	Reinforced Cement Concrete (RCC) designs Time: 02.00 P.M. To 06.00 P.M.	Civil Engineering Materials, Testing & Evaluation	Professional Practice, Law & Ethics	<u>Elective-I</u> 1. Advanced Structural Analysis 2. Geo synthetics Engineering 3. Geo environmental Engg. 4. Advanced Building Materials 5. Groundwater Hydrology 6. Advanced Surveying	<u>Elective-II</u> 1. Advanced Concrete Structures ***** Time: 02.00 P.M. To 06.00 P.M. 2. Earth Retaining Structures 3. Climate change and its mitigation 4. Advanced Concrete Technology 5. Flood Control and Crainage 6. Railway Engineering	
2	Electrical Engineering	Microprocessor & Microcontroller	Control systems	Power electronics	Advanced Electrical Power System	<u>Professional elective-I</u> 1. Electrical Machine I II 2. Power Station Practice 3. Electrical Power Utilization	----	
3	Electronics Telecommunication Engg/ Electronics Communication Engg/ Electronics Engineering	Embedded System Design	Electromagnetic Waves	Digital Signal Processing	HSC: IEED(Economics)	PEC-I (Program Elective-I) Operating Systems 2. Information Theory and Error Correcting Codes 3. Electronic Design Techniques With HDL 4. Sensors and Systems	----	
4	Computer Science & Engg.	Artificial Intelligence	Design & Analysis of Algorithms	Software Engineering & Project Management	Elective-I 1. TCP/IP 2. Design Patterns 3. Data Warehousing & Mining	--	Effective Technical Communication Time: 02.00 P.M. To 04.00 P.M.	
5	Computer Technology	Design and Analysis of Algorithms	Database Management System	Software Engineering and Project Management	Artificial Intelligence	Elective-I 1. TCP/IP 2. Computer Graphics 3. System Software & Device Driver	Effective Technical Communication Time: 02.00 P.M. To 04.00 P.M.	
6	Computer Engineering	Database Management System	Computer Graphics	Java Programming	<u>Elective-I</u> 1. Microcontrollers & Applications, 2. Artificial Intelligence, 3. Software Engg.	--	**Humanities-II Effective Technical Communication Time: 02.00 P.M. To 04.00 P.M.	

Sr. No.	Name of Branch	Day	Wednesday	Friday	Tuesday	Thursday	Saturday	Tuesday
		Date	22/11/2023	24/11/2023	28/11/2023	30/11/2023	02/12/2023	05/12/2023
07	Mechanical Engineering (NEW)	Heat Transfer	Energy Conversion I	Design of Machine Elements	Industrial Economics and Management	---		Mechanical Measurement & Metrology
08	Mechanical Engineering (OLD)	Heat Transfer	Energy Conversion I	Design of Machine Elements	Industrial Economics and Management	Open Elective I I 1. Organizational Entrepreneurship Behaviour & Development 2. Automobile Engineering 3. Project Evaluation & Management	----	
09	Information Technology	Software Engineering & Project Management	Design and Analysis of Algorithms	Java Programming	Elective- I 1. Gaming Architecture & Programming 2. High Performance Computer Architecture 3. Human Computer Interface	Theory of Computation		Effective Technical Communication Time: 02.00 P.M. To 04.00 P.M.
10	Aeronautical Engineering (NEW)	Propulsion- II	Aircraft System & Instrumentation	Aircraft Structure- II	Elective-I 1. Heat and Mass Transfer 2. Smart materials and Introduction to composites 3. Airworthiness and Certification 4. Introduction to Helicopter Dynamics	--		Industrial Economics and Management
11	Aeronautical Engineering (OLD)	Propulsion- II	Aircraft System & Instrumentation	Aircraft Structure- II	Elective-I 1. Heat and Mass Transfer 2. Smart materials and Introduction to composites 3. Airworthiness and Certification 4. Introduction to Helicopter Dynamics	Open Elective-I 1. Intellectual property rights 2. Gender Sensitization 3. Organizational Behavior & Entrepreneurship Devel. 4. Industrial Economics and Management	--	
12	FIRE ENGINEERING	Fire Dynamics	Automobile Engineering	Instrumentation and Control	Fire Protection	Fundamentals of Management	Fire Laws	
13	Artificial Intelligence & Data Science	Data Mining	Design and Analysis of Algorithms	Machine Learning Techniques	Internet of Things and its Application	Elective- I 1. NoSQL 2. Information Security 3. Wireless Communication Technologies 4. ARM Processor & its Essentials	Effective Technical Communication Time: 02.00 P.M. To 04.00 P.M.	
14	Artificial Intelligence	Computer Communication Network	Design and Analysis of Algorithms	Machine Learning Techniques	Internet of Things and Robotics	Elective- I 1. NoSQL 2. Information Security 3. Wireless Communication Technologies 4. ARM Processor & its Essentials		

Sr. No.	Name of Branch	Day	Wednesday	Friday	Tuesday	Thursday	Saturday	Tuesday
		Date	22/11/2023	24/11/2023	28/11/2023	30/11/2023	02/12/2023	05/12/2023
15	Computer Science & Engg. (Data Science)	Software Engg. Project Management	Artificial Intelligence	Language Processor	--	Elective- I 1. Soft Computing 2. Digital image Processing 3. Health Informatics	Effective Technical Commutation Time: 02.00 P.M. To 04.00 P.M.	
16	Industrial IOT	IOT Architecture & Protocols	Machine Learning	Cloud Computing	Signal processing	Elective- I 1. Web & social Anaytics 2. Data Visualisation 3. Wireless Communication Tech. 4. ARM Processor &its Essentials	Effective Technical Commutation Time: 02.00 P.M. To 04.00 P.M.	
17	Robotics and Artificial Intelligence	Robot Dynamics	Machine learning Algorithms	Robotic Drive System	Design & Analysis of Algorithms	Elective I I 1. Field & Service Robotics 2.Theory of Computation 3. Wireless Communication Tech. 4. . Drone & Automation System	Effective Technical Commutation Time: 02.00 P.M. To 04.00 P.M.	
18	Artificial Intelligence & Machine Learning	Computer Communication network	Data Analytics & Machine Learning	Design & Analysis of Algorithms	Internet of things & Cloud Computing	Elective-I 1. ARM Processors & its Essentials 2. Distributed Computing 3. Robotics 4.Web & Scocial Media Analytics	Effective Technical Commutation Time: 02.00 P.M. To 04.00 P.M.	

GENERAL INSTRUCTION S FOR SEATING ARRANGEMENT

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Nagpur

Date: 08-11-2023

(Dr. Prafulla M. Sable)

Director

Board of Examination & Evaluation

Rashtrasant Tukadoji Maharaj University, Nagpur



B.TECH. Sixth Semester (C.B.C.S.) WINTER 2023

REVISED

(214 TO 227)

RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY

B. TECH. SIXTH SEMESTER ALL BRANCH (CHOICE BASED CREDIT SYSTEMS) EXAMINATION OF WINTER 2023

PROGRAMME: WRITTEN

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

Sr. No.	Name of Branch	Day	Saturday	Tuesday	Thursday	Saturday	Monday	Wednesday
		Date	28/10/2023	31/10/2023	02/11/2023	04/11/2023	06/11/2023	08/11/2023
1	Civil Engineering		Estimating & Costing	Construction Engineering & Management	Water Resource Engineering	Elective-III 1. Prestressed Concrete 2. Soil Dynamics 3. Environment Management 4. Repair Rehabilitation of Civil Engineering structures 5. Water transmission & Distri. System 6. Urban Transportation Planning	Open Elective-I 1. Environmental Engineering	--
2	Mechanical Engineering		Automation in Production	Energy Conversion-II	Dynamics of Machines	Elective-I 1. Mechanical Vibrations 2. Synthesis of Mechanism 3. Operation Research 4. Production Planning & Control 5. Convective Heat Transfer 6. Power Plant Engineering	Elective-II 1. Tribology 2. Tool Design 3. Advanced Manufacturing Techniques 4. CNC & Robotics 5. Design of Heat Exchangers 6. Advanced I C Engines	--
3	Electrical Engineering		Engineering Economics & Management	Computer Applications in Power System	Switch gear & Protection	--	Open Elective - I 1. PLC & SCADA Systems 2. Solar PV Systems 3. Organizational behavior 4. Num. Maths. & Probability Usign m	Professional Elective - II 1. Advanced control System 2. Optimization Technique 3. Electric Drives & their Control
4. 5. 6.	Electronics Telecommunicatio Engg/ Electronics Communication Engg/ Electronics Engineering		Computer Communication Network	Internet of Things (IOT)	Wireless Sensor Network	Program Elective-II 1. Computer Architecture 2. Database Management Systems 3. Antennas & Wave Propagation 4. Control System Engineering	Open Elective-I 1. Consumer Electronics 2. Industrial Electronics	Time: 02.00 P.M. To 04.00 P.M. Effective Technical Communication
7	Computer Science & Engg.		Compiler Design	Elective-II 1. Machine Learning 2. Internet of Thing 3. Cluster & Cloud Computing	Elective-III 1. Data Science 2. Dist. Operating Systems 3. Human Comp. Interaction	--	Open Elective - I 1. Linux Fundamentals 2. Android Appli. Development 3. Block chain Technologies	Economics of IT industry
8	Computer Technology		Compiler Design	Data Warehousing and Mining	Elective-III 1. High Perform. Comp. Archite. 2. Software Test. & Qua. Assu. 3. Adv. Microprocessor & Inter facing	Elective - III 1. Embeddded System 2. Mobile Appli. & Develop. 3. cloud computing	Open Elective - I 1. Digital Image Processing 2. Adv. Web Technologics 3. Multimedia & Animation	Economics of IT industry

Sr. No.	Name of Branch	Day	Saturday	Tuesday	Thursday	Saturday	Monday	Wednesday
		Date	28/10/2023	31/10/2023	02/11/2023	04/11/2023	06/11/2023	08/11/2023
09	Information Technology	Data Base Management System	Artificial Intelligence & Machine Learning	Elective-II 1.Cluster & Grid Computing 2.Blockchain Technology 3.Adv.in Comp.Network	Elective-III 1. Cloud Computing 2.Internet of Things 3.Soft.Test.& Qua. Assurance	Open Elective - I 1.Data Science 2.Computer Animation	Economics of IT industry	
10	Computer Engineering	Design & Analysis of Algorithms	Elective-II 1.Human Computer Interaction 2.Internet of Things 3.Soft Computing	Elective-III 1.Distributed Computing 2.Machine Learning 3.Data Warehousing & Mining	--	Open Elective - I 1.Digital Image Processing 2. Mobile Computing	TCP / IP	
11	Aeronautical Engineering	Aircraft Design	Space Technology	--	Elective - II 1.Aircraft Mecha.Anaysis & Synthesis 2.Flight Dynamics 3.Principals of Combustion 4.Aero.Desi.of Comp. & Tur	Open Elective - II 1.Design of Machine Element 2.Finance and Accounting 3.Renewable Energy Sources 4.Industrial Safety & Environment	Time: 02.00 P.M. To 04.00 P.M. Effective Technical Communication	
12	FIRE ENGINEERING	Fixed Fire Fighting Installations	Paramedics	Fire Modelling	Fundamentals of Industrial Safety and Heath	Fire Codes and Standards	Fire and Life Safety Audit	
13	Artificial Intelligence& Data Science	Computer Communication Network	Deep Learning	Digital System Design Using Verilog	Elective-II 1.Web&Soc.Media Analytics 2.Block Chain & Cyber Secur. 3. I.S. & Instrumentation 4.Robotics & Intelligent Syst.	Open Elective - I 1.corrent Trends & Tech. 2.Industry 4.0	--	
14	Artificial Intelligence	AI in Natural Language Processing	Deep Learning	Digital System Design Using Verilog	Elective-II 1.Web&Soc.Media Analytics 2.Block Chain & Cyber Secur. 3. I.S. & Instrumentation 4.Intelligent Transport Syst	Open Elective - I 1.corrent Trends & Tech. 2.Industry 4.0	--	

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

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Nagpur

Date: 06-10-2023

(Dr. Prafulla M. Sable)

Director

Board of Examination & Evaluation

Rashtrasant Tukadoji Maharaj University, Nagpur



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	----	---

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
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	

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
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