



FIFTH Semester B.TECH.(C.B.C.S.) SUMMER 2024 (158 TO 177) REVISED

RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY

FIFTH SEMESTER B. TECH. ALL BRANCH (CHOICE BASED CREDIT SYSTEMS) EXAMINATION OF SUMMER 2024

PROGRAMME(WRITTEN)

Time : 2.30 P.M. To 05.30 P.M.

Sr. No.	Name of Branch	Day	Wednesday	Friday	Monday	Wednesday	Friday	Monday
		Date	03/04/2024	05/04/2024	08/04/2024	10/04/2024	12/04/2024	15/04/2024
1	Civil Engineering		Hydraulic Engineering	Reinforced Cement Concrete (RCC) designs Time: 02.30 P.M. To 06.30 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: 02.30 P.M. To 06.30 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 - 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: 02.30 P.M. To 04.30 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: 02.30 P.M. To 04.30 P.M.
6	Computer Engineering		Database Management System	Computer Graphics	Java Programming	<u>Elective-I</u> 1. Microcontrollers & Applications, 2. Artificial	-----	**Humanities-II Effective Technical Communication Time: 02.30 P.M. To 04.30 P.M.

						Intelligence, 3. Software Engg.		
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		Date	03/04/2024	05/04/2024	08/04/2024	10/04/2024	12/04/2024	15/04/2024
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	<u>Open Elective - I</u> 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.Graming Architecture & Programming 2.High Performance Computer Architecture 3.Human Computer Interface	Theory of Computation	Effective Technical Communication Time: 02.30 P.M. To 04.30 P.M.
10	Aeronautical Engineering (NEW)		Propulsion- II	Aircraft System & Instrumentation	Aircraft Structure- II	Industrial Economics and Management	--	<u>Elective-I</u> 1. Heat and Mass Transfer 2. Smart materials and Introduction to composites 3. Airworthiness and Certification 4. Introduction to Helicopter Dynamics
11	Aeronautical Engineering (OLD)		Propulsion- II	Aircraft System & Instrumentation	Aircraft Structure- II	=====	<u>Open Elective-I</u> 1. Intellectual property rights 2. Gender Sensitization 3. Organizational Behavior& Entrepreneurship Devel. 4. Industrial Economics and Management	<u>Elective-I</u> 1. Heat and Mass Transfer 2. Smart materials and Introduction to composites 3. Airworthiness and Certification 4. Introduction to Helicopter Dynamics
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: 02.30 P.M. To 04.30 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	

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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: 02.30 P.M. To 04.30 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: 02.30 P.M. To 04.30 P.M..	
17	Robotics and Artificial Intelligence	Robot Dynamics	Machine learning Algorithms	Robotic Drive System	Design & Analysis of Algorithms	Elective - I 1. Field & Service Robotics 2.Theory of Computation 3. Wireless Communication Tech. 4. . Drone & Automation System	Effective Technical Commutation Time: 02.30 P.M. To 04.30 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: 02.30 P.M. To 04.30 P.M.	

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: 10-03-2024

(Dr. Prafulla M. Sable)
Director
Board of Examination & Evaluation
Rashtrasant Tukadoji Maharaj University, Nagpur