



**RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY**  
**B. E. SEVENTH SEMESTER (CREDIT BASED SYSTEMS) EXAMINATION OF WINTER 2024**

B.E. Seventh Sem. (CBS) WINTER 2024  
**(604 TO 615)**

PROGRAMME: WRITTEN

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

Sr. No.	Name of Branch	Day	Tuesday	Thursday	Saturday	Monday	Wednesday	Friday
		Date	26/11/2024	28/11/2024	30/11/2024	02/12/2024	04/12/2024	06/12/2024
1	Civil Engineering		** Advanced Concrete Structures	** Estimating and Costing	Construction Management and Law	Transportation Engineering - II	<b>Elective-I</b> 1. Earthquake Resistant Structure 2. Advanced Traffic Engineering 3. Air Pollution & Solid Waste Management. 4. Advanced Hydraulics 5. Sustainable Resource Management in Civil Engineering 6. Building Services 6. Advance Construction Materials	
2	Electronics Engineering		DSP Processor & Architecture	Embedded System	Optical Communication	Advanced Digital System Design	<b>Elective-I</b> 1.Digital Image Processing 2.Mobile Communication 3.Biomedical Instrumentation 4.Random Signal Theory	
3	Electrical Engineering ( Electronics & Power)		Control System –II	Electrical Power System - II	High Voltage Engineering	Electrical Installation Design	<b>Elective-I</b> 1.IT and ITS Applications in Power System Control 2. Fuzzy Logic and Neural Networks 3. Flexible AC Transmission Systems 4. Energy Management and Audit	
4	Elect. & Telecommunication / Elect. & Communication Engineering		DSP Processor & Architecture	Television & Video Engineering	Optical Communication	Advanced Digital System Design	<b>Elective-I</b> 1. Fuzzy Logic and Neural Networks 2.Microelectro mechanical Systems & System on chip 3. Data Compression & Encryption 4.VLSI Signal Processing	
5	Computer Science & Engineering		Data Warehousing & Mining	Language Processor	*****	<b>Elective-I</b> 1.TCP & IP, 2.Advanced Computer Architecture, 3.Big Data Analysis & Business Intelligence 4.Parallel & Network Algorithm.	<b>Elective-II</b> 1.Computational Geometry 2.Mobile Computing 3.Real Time Operating System 4.Software Architecture 5.Mainframe Technologies.	

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6	Computer Technology	Compilers		*****	Artificial Intelligence	<b>Elective-II</b> 1.Natural Language Processing 2.Advance Operation System 3.Architecture of Web Application 4.Wireless Sensor Networks	<b>Elective-I</b> 1.Computational Intelligence 2.Advance Database Systems 3.Software Architecture 4.Digital Signal Processing	
7	Computer Engineering	<b>Elective-I</b> 1.Soft Computing 2.Compiler Construction 3.Data Warehousing & Mining	Advanced Microprocessors & Microcontrollers	Information Assurance & Network Security	Operating System	<b>Elective-II</b> 1.Digital Signal & Image Processing 2.Web Technologies 3.Enterprise Resource Planning		
8	Mechanical Engineering	Industrial Engineering	Computer Aided Design	Energy Conversion - II	Design of Mechanical Drives	<b>Elective-I</b> 1. Industrial Robotics 2. Tool Design 3. Automobile Engineering 4. Power Plant Engineering 5. Synthesis of Mechanisms 6. Material Handling System		
9	Information Technology	Data Warehousing & Mining	Computer System Security	Artificial Intelligence	<b>Elective-I</b> 1.Mobile Computing 2.Multimedia Systems 3.Bio-Informatics 4.Compiler Design	<b>Elective-II</b> 1.Software Testing & Quality Assurance 2.Cluster & Grid Computing 3.Digital Signal Processing 4.Digital Forensic for Info. Tech.		
10	Power Engineering	Steam Turbine & its auxiliaries	Turbo Generator & its auxiliaries	Energy Conversion-II	Design of Mechanical Drives	Power Plant Operation & Performance		
11	Aeronautical Engineering	Aircraft System & Instrumentation	Design of Machine Elements	Space Flight Mechanics	Control Engineering	Aircraft General Engineering & Maintenance Practices		
12	Fire Engineering	Engineering Economics	Fire & Arson Investigation	Piping Design	Elective-II 1.Robotics and Robot Application 2.Fire dynamics in Forest Fire3.Fire Retardants4.Design of pressure vessel for Fire protection	Design and installation of detection & fire fighting system-II	Fire Risk Calculations	

### 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: 17-10-2024

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