



PRIYADARSHINI COLLEGE OF ENGINEERING, NAGPUR

An Autonomous Institute Affiliated to RTM Nagpur University, Nagpur

FIFTH SEMESTER B. TECH. (REGULAR) EXAMINATION WINTER- 2025 (ALL BRANCHES)

#PROGRAMME: WRITTEN#

Time:11.00 A.M. To 2.00 P.M.



Sr No	Name of Branch	Day Date	Tuesday 18/11/2025	Thursday 20/11/2025	Monday 24/11/2025	Wednesday 26/11/2025	Friday 28/11/2025	Monday 01/12/2025	Wednesday 03/12/2025 (Honors)	Friday 5/12/2025
1	Aeronautical Engineering		Aerodynamics-II 25UAE 501T	Aircraft Structure-II 25UAE 502T	Heat and Mass Transfer 25UAE 503T	Open Elective-III ** 25UOE 5XXT	Program Elective -1 25UAE5XXT	Aircraft System & Instrumentation 25UAE 504T	Experimental Aerodynamics 24UAEHS5T	
2	Mechanical Engineering		Manufacturing Processes 25UME501T	Strength of Materials 25UME502T	Heat Transfer 25UME503T	Open Elective-III ** 25UOE5XXT	Program Elective -1 25UME5XXT	-----	-----	
3	Civil Engineering		Reinforced Cement Concrete Designs. 25UCV501T	Fluid Mechanics 25UCV502T	Concrete Technology & Material Testing 25UCV503T	Open Elective-III** 25UCV5XXT	Program Elective -1 25UCV5XXT	Foundation Engineering 25UCV504T	-----	
4	Electrical Engineering / Electronics & Power Engineering		Control System 25UEL501T	Power Electronics 25UEL502T	Power System 25UEL503T	Open Elective-III** 25UOE5XXT	Program Elective -1 25UEL5XXT	-----	Hybrid Renewable Energy Systems in Microgrids 25UHMEL5T Electrical drives for EVs 25UHEEL5T	
5	Chemical Engineering		Mass Transfer-I 25UCH501T	Chemical Reaction Engineering-I 25UCH502T	Plant Equipment Design 25UCH503T	Open Elective-III** 25UOE5XXT	Program Elective -1 25UCH5XXT	MDM -III Organic Process Technology 25UBS503T Analytical techniques for Bio-processes 25UBT504T	Process Control & Automation 25UHSCH5T	
6	Biotechnology		Cell & Molecular Biology 25UBT501T	Immunology 25UBT502T	Bioprocess Engineering ** 25UBT503T	Open Elective-III ** 25UOE5XXT	Program Elective -1 25UBT5XXT	MDM -III Data Structures with Python 25UCS508T Chemical Reactor Design 25UCH504T	-----	

7	Electronics & Telecommunication Engineering	Analog Circuits 25UET501T	Digital Signal Processing 25UET502T	Electromagnetic Waves 25UET503T	Open Elective-III ** 25UOE5XXT	Program Elective -1 25UET5XXT	MDM-III Data Base Management system 25UCS507T Python for Data Science 25UCT506T	Cyber Security 25UHSET5T	
8	Electronics & Communication Engineering	Microcontrollers & Interfacing 25UEC501T	Electromagnetic Waves 25UEC502T	Business Management and Entrepreneurship 25UBS505T	Open Elective-III ** 25UOE5XXT	Program Elective -1 25UEC5XXT	MDM-III Computer Networks 25UCT504T	AI- Knowledge Representation and Reasoning 25UHSEC5T	
9	Computer Science and Engineering	Computer Networks 25UCS501T	Formal Languages and Automata Theory 25UCS502T	AI and Machine Learning 25UCS503T	Open Elective-III ** 25UOE5XXT	Program Elective -1 25UCS5XXT	MDM-III Data Exploration and Visualization 25UAI507T Data Acquisition and Platforms 25UII508T Microcontroller & Embedded systems 25UET504T	Backend Development 25UHFCS5T Advanced Cyber Security and Digital Evidence Analysis 25UHCCS5T	Software Engg. & Project Management ** 25UCS504T
10	Computer Technology	Design & Analysis of Algorithms 25UCT501T	Database Management Systems 25UCT502T	Object Oriented Programming Using Java 25UCT503T	Open Elective-III ** 25UOE5XXT	Program Elective -1 25UCT5XXT		Deep Learning 25UHSCT5T	
11	Information Technology	Artificial Intelligence 25UIT501T	Design and Analysis of Algorithm 25UIT502T	Database Management System 25UIT503T	Open Elective-III ** 25UOE5XXT	Program Elective -1 25UIT5XXT		AI ML for Business Intelligence 25UHBIT5T	
12	Artificial Intelligence & Data Science	Database Management System 25UAI501T	Design Analysis of Algorithm 25UAI502T	Machine Learning 25UAI503T	Open Elective-III ** 25UOE5XXT	Program Elective -1 25UAI5XXT	Sensor & Actuators for IOT ** 25UAI504T	Exploratory Data Analysis 25UHSAI5T	
13	Robotics & Artificial Intelligence	Machine Learning 25URO501T	Industrial Robotics 25URO502T	Mechanism of Robot Systems 25URO503T	Open Elective-III ** 25UOE5XXT	Program Elective -1 25URO5XXT	MDM-III Computational Data Analytics 25UAI506T	Data Handling & Machine Learning 25UHSRO5T	
14	Industrial IOT	IOT Architecture & Protocols 25UII501T	Digital Signal Processing 25UII502T	Database Management System ** 25UII503T	Open Elective-III ** 25UOE5XXT	Program Elective -1 25UII5XXT	Digital Economy & Management ** 25UBS504T	-----	

Note: ** Indicates paper of 30 Marks for Two Hours Duration (11.00 am to 1.00 pm)

Dr. S.S.Shriramwar

COE

Control Room, Nagpur
Date: 08/10/2025
PCE Nagpur

Dr. S. A. Dhale

Principal

Priyadarshini College of Engg.
Nagpur

Program Electives and Open Electives Opted

S. No.	Program Electives	Semester V (2025-26)
1	Advanced Building Materials (25UCV524T)	
2	Advanced Manufacturing Techniques (25UME521T)	
3	Advanced Operating System (25UCT522T)	
4	Agile framework (25UIT523T)	
5	Blockchain Technology (25UII522T)	
6	Blockchain Technology (25UIT522T)	
7	Chemical Process synthesis and Design (25UCH522T)	
8	Cloud Computing (25UAI522T)	
9	Computer Architecture (25UEC523T)	
10	Computer Graphics (25UCS521T)	
11	Computer Graphics (25UCT523T)	
12	Computer Networks (25URO522T)	✓
13	Design Analysis of Algorithm (25URO521T)	✓
14	Electrical Drives & their Controls (25UEL522T)	
15	Electronics Design Technique with HDL (25UET523T)	
16	Error Control Coding (25UET522T)	
17	Ethical Hacking Systems (25UCT521T)	
18	Food & Nutrition (25UBT522T)	
19	Gaming Development and Design (25UIT521T)	
20	Geo Environmental Engineering (25UCV523T)	
22	Human Computer Interface (HCI) (25UAI521T)	
23	Information Security (25UAI523T)	
24	Information Theory and Coding (25UEC522T)	
25	Internal Combustion Engines (25UME523T)	
26	Introduction to Computational Fluid Dynamics (25UME526T)	
27	Introduction to Electrical Vehicle (25UEL523T)	
28	Introduction to Emerging Technologies (25UEC524T)	
29	Machining Process (25UAE521T)	
30	Pharmaceutical Technology (25UBT523T)	
31	Power Station Practice (25UEL521T)	
32	Process Technology and Economics (25UCH521T)	

33	Production Planning and Control (25UME524T)
34	Real Time Operating System (25UII521T)
35	Salesforce (25UCS522T)
36	Smart Materials and Testing (25UAE522T)
37	Social media and Security (25UCS523T)
38	Stem Cell Technology (25UBT521T)
39	UAV System and Design (25UAE524T)
40	Wireless Sensor Network (25UET521T)

S.No.	Open Elective III	Semester V (2025-26)
1	AI for Cyber Security (25UOE523T) (offered by AI&DS Dept)	
2	Air Pollution (25UOE531T) (offered by Civil Engg. Dept)	
3	Artificial Intelligence (25UOE534T)(offered by CSE Dept)	
4	Augmented Reality and Virtual Reality (25UOE524T)(offered by AI&DS Dept)	
5	Basics of Propulsion (25UOE522T)(offered by Aero Dept)	
6	Big Data analytics (25UOE535T)(offered by CSE Dept)	
7	Biology For Engineers (25UOE525T)(offered by BT Dept)	
8	Climate Change & mitigation (25UOE532T)(offered by Civil Engg. Dept)	
9	Data visualization (25UOE536T)(offered by CT Dept)	
10	Electric Vehicles: An introduction (25UOE541T)(offered by EE & EP Dept)	
11	Embedded and Real Time System (25UOE546T)(offered by IIOT Dept)	
12	Energy Audit (25UOE530T)(offered by CE Dept)	
13	Fundamentals of Cloud computing (25UOE537T)(offered by CT Dept)	
14	Industrial Robotics (25UOE550T)(offered by ME Dept)	
15	Industrial Safety & Environment (25UOE552T)(offered by ME Dept)	
16	Introduction to 5G Technology (25UOE540T)(offered by EC Dept)	
17	Introduction to Renewable energy resources (25UOE551T)(offered by ME Dept)	
18	Renewable Energy (25UOE526T)(offered by BT Dept)	
19	Smart Application in Robotics (Applied Robotics) (25UOE554T)(offered by R&AI Dept)	