



PRIYADARSHINI COLLEGE OF ENGINEERING, NAGPUR

An Autonomous Institute Affiliated to RTM Nagpur University, Nagpur

FIFTH SEMESTER B. TECH. (BACKLOG) EXAMINATION SUMMER- 2026 (ALL BRANCHES)

#PROGRAMME: WRITTEN#

Time:10.30.00 A.M. To 1.30 P.M.



| Sr No | Name of Branch | Day Date | Thursday 25/06/2026 | Tuesday 30/06/2026 | Thursday 02/07/2026 | Saturday 04/07/2026 | Tuesday 07/07/2026 | Thursday 09/07/2026 | Monday 13/07/2026 |
|-------|---|----------|---|---|--|---|---|--|----------------------|
| 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 | |
| 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 | ----- | |
| 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 | |
| 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 | |

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|----|--|---|--|--|--|---|--|---|
| 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 | |
| 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 IoT Data Acquisition and Platforms 25UII508T Microcontroller & Embedded systems 25UET504T | 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 | | |
| 11 | Information Technology | Artificial Intelligence 25UIT501T | Design and Analysis of Algorithm 25UIT502T | Database Management System 25UIT503T | Open Elective-III ** 25UOE5XXT | Program Elective -1 25UIT5XXT | | |
| 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 | |
| 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 | |
| 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



Dr. S.S. Shriramwar
COE



Dr. S. A. Dhale
Principal

Place: Nagpur Date: 01/06/2026

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) | |

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| 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) | |