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| **BRANCH** | **19-01-2022 FN**  **WEDNESDAY** | **19-01-2022 AN**  **WEDNESDAY** | **20-01-2022 FN**  **THURSDAY** | **20-01-2022 AN**  **THURSDAY** | **21-01-2022 FN**  **FRIDAY** |
| **CIVIL ENGINEERING**  **(01-CE)** | Estimation, Costing and Project Management | Professional Practice law & Ethics | E3 | E4 | OE2 |
| Remote Sensing & GIS | Irrigation and Hydraulic Structures | Data Structures |
| Advanced Structural Design | Pipeline Engineering | Artificial Intelligence |
| Python Programming |
| Ground Improvement Techniques | Ground Water Hydrology | Java Programming |
| Fundamentals of Biomedical Applications |
| Electronic Sensors |
| Utilization of Electrical Energy |
| Electric Drives and Control |
| Basic Mechanical Engineering |
| Basics of Aeronautical Engineering |
| Intellectual Property Rights |
| Principles of Entrepreneurship |
| Natural Gas Engineering |
| Engineering Materials |
| Surface Engineering |
| Health & Safety in Mines |
| Material Handling in Mines |

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| **ELECTRICAL AND ELECTRONICS ENGINEERING**  **(02-EEE)** | Fundamentals of Management for Engineers | **---** | E3 | E4 | OE2 |
| Digital Control systems | HVDC Transmission | Data Structures |
| Artificial Intelligence |
| Remote Sensing & GIS |
| Digital Signal Processing | Power System Reliability | Python Programming |
| Java Programming |
| Electrical and Hybrid Vehicles | Industrial Electrical Systems | Fundamentals of Biomedical Applications |
| Electronic Sensors |
|  | Basic Mechanical Engineering |
| Basics of Aeronautical Engineering |
| Intellectual Property Rights |
| Principles of Entrepreneurship |
| Natural Gas Engineering |
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| **MECHANICAL ENGINEERING**  **(03-ME)** | Refrigeration & Air Conditioning | E2 | E3 | E4 | OE2 |
| Additive Manufacturing | Power Plant Engineering | Computational Fluid Dynamics | Remote Sensing & GIS |
| Data Structures |
| Automation in Manufacturing | Automobile Engineering | Turbo Machinery | Artificial Intelligence |
| Python Programming |
| MEMS | Renewable Energy Sources | Fluid Power Systems | Java Programming |
| Fundamentals of Biomedical Applications |
| Electronic Sensors |
| Utilization of Electrical Energy |
| Electric Drives and Control |
| Basics of Aeronautical Engineering |
| Intellectual Property Rights |
| Principles of Entrepreneurship |
| Engineering Materials |
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| **ELECTRONICS**  **AND COMMUNICATION ENGINEERING**  **(04-ECE)** | Microwave and Optical Communications | Professional Practice law & Ethics | E3 | E4 | **OE2** |
| Data Structures |
| Artificial Neural Networks | Biomedical Instrumentation | Artificial Intelligence |
| Remote Sensing & GIS |
| Python Programming |
| Scripting Languages | Database Management Systems | Java Programming |
| Fundamentals of Biomedical Applications |
| Digital Image Processing |
| Utilization of Electrical Energy |
| Network Security and Cryptography | Electric Drives and Control |
|  |
| Basic Mechanical Engineering |
| Basics of Aeronautical Engineering |
| Intellectual Property Rights |
| Principles of Entrepreneurship |
| Basic Mechanical Engineering |
| Natural Gas Engineering |
| Engineering Materials |
| Surface Engineering |
| Health & Safety in Mines |
| Material Handling in Mines |

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| **COMPUTER SCIENCE AND ENGINEERING**  **(05-CSE)** | Cryptography & Network Security | Data Mining | E4 | E5 | OE2 |
| Graph Theory | Advanced Algorithms | Remote Sensing & GIS |
| Fundamentals of Biomedical Applications |
| Electronic Sensors |
| Utilization of Electrical Energy |
| Introduction to Embedded Systems | Real Time Systems | Electric Drives and Control |
| Basic Mechanical Engineering |
| Basics of Aeronautical Engineering |
| Soft Computing | Intellectual Property Rights |
| Principles of Entrepreneurship |
| Natural Gas Engineering |
| Artificial Intelligence |
| Engineering Materials |
| Cloud Computing | Internet of Things | Surface Engineering |
| Health & Safety in Mines |
| Material Handling in Mines |
| Ad-hoc & Sensor Networks |
| Software Process & Project Management |

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| **ELECTRONICS**  **AND INSTRUMENTATION ENGINEERING**  **(10-EIE)** | Analytical Instrumentation | Professional Practice, Law & Ethics | E3 | E4 | OE2 |
| Pharmaceutical Instrumentation | Biomedical Instrumentation |
| Remote Sensing & GIS |
| Data Structures |
| Artificial Intelligence |
| Virtual Instrumentation | Python Programming |
| Java Programming |
| MEMS and its applications | Computer Networks | Electronic Sensors |
| Utilization of Electrical Energy |
| Electric Drives and Control |
| Basic Mechanical Engineering |
|  | Artificial Neural Networks | Basics of Aeronautical Engineering |
| Intellectual Property Rights |
| Principles of Entrepreneurship |
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|  | Natural Gas Engineering |
| Engineering Materials |
| Surface Engineering |
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| **INFORMATION**  **TECHNOLOGY**  **(12- I T)** | Information Security | Data Mining | E4 | E5 | OE2 |
| Web Security | Intrusion Detection Systems | Remote Sensing & GIS |
| Real Time Systems | Fundamentals of Biomedical Applications |
| Soft Computing | Electronic Sensors |
| Distributed Databases |
| High Performance Computing | Software Process & Project Management | Utilization of Electrical Energy |
| Electric Drives and Control |
| Artificial Intelligence | Basic Mechanical Engineering |
| Basics of Aeronautical Engineering |
| Intellectual Property Rights |
| Principles of Entrepreneurship |
| Cloud Computing |
|  |
| Natural Gas Engineering |
| Ad-hoc & Sensor Networks | Engineering Materials |
| Surface Engineering |
| Health & Safety in Mines |
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| **MECHANICAL**  **ENGINEERING**  **(MECHATRONICS)**  **(14-MECT)** | Automobile Engineering | E2 | E3 | E4 | OE2 |
| Operations Research |
| Power Plant Engineering | Computational Fluid Dynamics | Remote Sensing & GIS |
| Data Structures |
| Computer Organization | Product Design & Assembly Automation | Advanced Kinematics and Dynamics of Machinery | Artificial Intelligence |
| Python Programming |
| Flexible Manufacturing Systems | Java Programming |
| Advanced Data Structures | Renewable Energy Sources | Fundamentals of Biomedical Applications |
| Electronic Sensors |
| Utilization of Electrical Energy |
| Electric Drives and Control |
| Basics of Aeronautical Engineering |
| Natural Gas Engineering |
| Engineering Materials |
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| **METALLURGICAL AND MATERIALS ENGINEERING**  **(18-MMT)** | |  | | --- | | Introduction to  Instrumentation | |  | | Fundamentals of Management for Engineers | E3 | E4 | OE2 |
| Alternate Routes of Iron & Steel Making | Functional Materials | Remote Sensing & GIS |
| Data Structures |
| Computational Materials Engineering | Artificial Intelligence |
| Python Programming |
| Java Programming |
| Ceramics Science and Technology | Fundamentals of Biomedical Applications |
| Electronic Sensors |
| Utilization of Electrical Energy |
| Bio Materials | Electric Drives and Control |
| Basic Mechanical Engineering |
| Basics of Aeronautical Engineering |
| Intellectual Property Rights |
| Principles of Entrepreneurship |
| Non-Destructive Testing | Basic Mechanical Engineering |
| Natural Gas Engineering |
| Health & Safety in Mines |
| Material Handling in Mines |

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| **AERONAUTICAL ENGINEERING (21-AE)** | Vibration and Aero-elasticity | E2 | E3 | E4 | OE2 |
| Experimental Aerodynamics | Industrial Aerodynamics | Remote Sensing & GIS |
| Space Mechanics | Data Structures |
| Artificial Intelligence |
| Python Programming |
| Rockets and Missiles | Java Programming |
| Wind Tunnel Technique | Hypersonic Aerodynamics | Turbo Machinery | Fundamentals of Biomedical Applications |
| Electronic Sensors |
| Advanced Computational Aerodynamics | Utilization of Electrical Energy |
| Electric Drives and Control |
| Theory of Combustion | Basic Mechanical Engineering |
| Intellectual Property Rights |
| Principles of Entrepreneurship |
| Natural Gas Engineering |
| Engineering Materials |
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| **MINING ENGG.**  **(25-MNE)** | Underground Metal Mining Technology | Mine Legislation | E3 | E4 | OE2 |
| Advanced Surface Mining | Rock Slope Technology | Remote Sensing & GIS |
| Data Structures |
| Artificial Intelligence |
| Mine Systems Engineering | Python Programming |
| Java Programming |
| Rock Fragmentation Engineering | Fundamentals of Biomedical Applications |
| Dimensional Stone  Technology | Electronic Sensors |
| Utilization of Electrical Energy |
| Risk Assessment and Management | Electric Drives and Control |
| Basic Mechanical Engineering |
| Basics of Aeronautical Engineering |
| Intellectual Property Rights |
| Principles of Entrepreneurship |
|  |
| Natural Gas Engineering |
| Engineering Materials |
| Surface Engineering |

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| **PETROLEUM ENGINEERING**  **(27 - PTME)** | Petroleum Economics, Policies & Laws | E2 | E3 | E4 | OE2 |
| Optimization of Upstream Processes | Shale Gas Reservoir Engineering | Pipeline Maintenance Engineering | Remote Sensing & GIS |
| Data Structures |
| Artificial Intelligence |
| Natural Gas Processing | Python Programming |
| Java Programming |
| Petroleum Reservoir Stimulation | Fundamentals of Biomedical Applications |
| Petrochemical Engineering | Electronic Sensors |
| Utilization of Electrical Energy |
| Petroleum Reservoir Modelling & Simulation | Electric Drives and Control |
| Basic Mechanical Engineering |
| Chemical Reaction Engineering | Basics of Aeronautical Engineering |
| Intellectual Property Rights |
| Principles of Entrepreneurship |
| Offshore Engineering | Engineering Materials |
| Surface Engineering |
| Health & Safety in Mines |
| Material Handling in Mines |

**Date:06-01-2022 Sd/-**

**CONTROLLER OF EXAMINATIONS**

Note: ANY OMISSIONS OR CLASHES IN THIS TIME TABLE MAY PLEASE BE INFORMED TO THE CONTROLLER OF EXAMINATIONS IMMEDIATELY.

1. EVEN IF GOVERNMENT DECLARES HOLIDAY ON ANY OF THE ABOVE DATES, THE EXAMINATIONS SHALL BE CONDUCTED AS USUAL
2. READMITTED STUDENTS HAVE TO APPEAR FOR THE SUBSTITUTE SUBJECT(S) [WHICH IS/ARE NOT SHOWN IN THE TIME-TABLE] IN PLACE OF THE SUBJECT(S) ALREADY PASSED. FOR DETAILS OF SUBSTITUTE SUBJECTS REFER THE COMMUNICATIONS RECEIVED FROM THE DIRECTOR OF ACADEMIC & PLANNING.

**(iii ) THE PATTERN OF THE DESCRIPTIVE AND OBJECTIVE TYPE PAPERS SHALL BE IN REGULAR PATTERN AS GIVEN IN R18 REGULATION**