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| **Civil Engineering**  Military Institute of Science and Technology | | |
| **CORE: CE** | | |
| 01 | CE | Analytical Mechanics |
| 02 | CE | Fluid Mechanics (with Sessional) |
| 03 | CE | Mechanics of Solids 1 (with Sessional) |
| 04 | CE | Mechanics of Solids 2 (with Sessional) |
| 05 | CE | Engineering Materials (with Sessional) |
| 06 | CE | Principle of Soil Mechanics |
| 07 | CE | Numerical Methods for Engineering |
| 08 | CE | Surveying and Spatial Information Engineering |
| 09 | CE | Practical Surveying |
| 10 | CE | Quantity Surveying |
| 11 | CE | Structural Analysis and Design 1 |
| 12 | CE | Structural Analysis and Design 2 |
| 13 | CE | Design of Concrete Structure 1 (with Sessional) |
| 14 | CE | Design of Concrete Structures 2 (with Sessional) |
| 15 | CE | Design of Steel Structures (with Sessional) |
| 16 | CE | Highway Materials, Pavement Design and Railways (with Sessional) |
| 17 | CE | Details of Construction |
| 18 | CE | GIS and Remote Sensing |
| 19 | CE | Engineering Geology and Geomorphology (with Sessional) |
| 20 | CE | Foundation Engineering |
| 21 | CE | Open-Channel Hydraulics (with Sessional) |
| 22 | CE | Hydrology and Irrigation Engineering |
| 23 | CE | Environmental Engineering 1 (with Sessional) |
| 24 | CE | Environmental Engineering 2 (with Sessional) |
| 25 | CE | Fundamentals of Transportation Engineering |
| 26 | CE | Civil Engineering Drawing |
| 27 | CE | Computer Aided Drawing |
| 28 | CE | Civil Engineering Students Internship |
| **CORE: SCINECT AND TECHNOLOGY** | | |
| 01 | MATH | Differential and Integral Calculus |
| 02 | MATH | Differential Equations, Matrix |
| 03 | MATH | Vector Analysis, Laplace Transform, Coordinate Geometry |
| 04 | MATH | Applied Mathematics for Engineers |
| 05 | PHY | Waves and Oscillation, Optics, and Modern Physics (with Sessional) |
| 06 | PHY | Structure of Matter, Heat and Temperature, Kinetics and Kinematics (with Sessional) |
| 07 | CHE | Fundamentals Chemistry (with Sessional) |
| 08 | CHE | Environmental Chemistry (with Sessional) |
| 09 | CSE | Computer Programming Sessional |
| 10 | CSE | Engineering Computations Sessional |
| 11 | EECE | Basic Electrical Technology |
| 12 | ME | Workshop Technology Sessional |
| 13 | ARCH | Architectural, Engineering and Planning Appreciation |
| **ELECTIVE: STRUCTURAL ENGINEERING (Can Choose)** | | |
| 01 | CE | Advanced Solid Mechanics |
| 02 | CE | Introduction to Finite Element Method |
| 03 | CE | Dynamics of Structures |
| 04 | CE | Seismic Design of Structures |
| 05 | CE | Design of Steel-Concrete Composite Structure |
| 06 | CE | Design of Concrete Structure 3 |
| 07 | CE | Prestressed Concrete |
| 08 | CE | Structural Safety |
| 09 | CE | Bridge Design Sessional |
| **ELECTIVE: ENVIRONMENTAL ENGINEERING (Can Choose)** | | |
| 01 | CE | Natural Resources and Renewable Energy |
| 02 | CE | Solid and Hazardous Waste Management |
| 03 | CE | Environmental Pollution and Management |
| 04 | CE | Climate Change and Disaster Management |
| 05 | CE | Environmental Impact Assessment and Sustainability |
| 06 | CE | Design of Water Supply, Sanitation and Sewerage System |
| **ELECTIVE: GEOTECHNICAL ENGINEERING (Can Choose)** | | |
| 01 | CE | Earth Retaining Structures |
| 02 | CE | Elementary Soil Dynamics |
| 03 | CE | Soil-Water Interaction |
| 04 | CE | Numerical Methods in Geo-technics |
| 05 | CE | Foundation Design Sessional |
| **ELECTIVE: TRANSPORTATION ENGINEERING (Can Choose)** | | |
| 01 | CE | Traffic Engineering Design and Management |
| 02 | CE | Pavement Management, Drainage and Airport Engineering |
| 03 | CE | Urban Transportation Planning and Management |
| 04 | CE | Intelligent Transportation System |
| 05 | CE | Railway Engineering |
| 06 | CE | Traffic Studies and Pavement Design Sessional |
| **ELECTIVE: WATER RESOURCE ENGINEERING (Can Choose)** | | |
| 01 | CE | Groundwater Engineering |
| 02 | CE | Flood Mitigation and Management |
| 03 | CE | River Engineering |
| 04 | CE | Hydraulic Structures |
| 05 | CE | Coastal Engineering |
| 06 | CE | Hydraulic Structures Design Sessional |