Technical exams being set for the Spring 2024 (May-June 2024) administration.

04-BS-1, Mathematics

04-BS-2, Probability and Statistics

04-BS-3, Statics and Dynamics

04-BS-4, Electric Circuits and Power

04-BS-5, Advanced Mathematics

04-BS-6, Mechanics of Materials

04-BS-7, Mechanics of Fluids

04-BS-8, Digital Logic Circuits

04-BS-9, Basic Electromagnetics

04-BS-10, Thermodynamics

04-BS-11, Properties of Materials

04-BS-12, Organic Chemistry

04-BS-13, Biology

04-BS-14, Geology

04-BS-15, Engineering Graphics & Design Process

04-BS-16, Discrete Mathematics

11-CS-1 / 98-CS-1, Engineering Economics

98-CS-2, Engineering in Society - Health, Safety, and the Environment

98-CS-3, Management Concepts for Engineers

04-Agric-A4, Fluid Flow

04-Agric-A7, Chemistry and Microbiology of Foods

04-Agric-B10/16-Chem-B4, Biochemical Engineering

04-Bio-A2, Process Dynamics and Control

04-Bio-A3, Cellular and Molecular Biology and Biochemistry

04-Bio-B4, Digital Image Processing

07-Bld-A1, Elementary Structural Analysis

07-Bld-A2, Elementary Structural Design

07-Bld-A4, Building Engineering Systems

07-Bld-A5, Building Science

07-Bld-A6, Geotechnical Materials and Analysis

07-Bld-A7, Building Envelope Design

07-Bld-B1, Computer Programming

07-Bld-B4, Modern Building Materials

07-Bld-B5, Fire and Smoke Control in Buildings

07-Bld-B6, Building Energy Conservation Technologies

16-Chem-A1, Process Balances and Chemical Thermodynamics

16-Chem-A2, Unit Operations & Separation Processes

16-Chem-A3, Heat and Mass Transfer

16-Chem-A4, Chemical Reactor Engineering

16-Chem-A5, Chemical Plant Design and Economics

16-Chem-A6, Process Dynamics and Control

16-Chem-B1, Transport Phenomena

16-Chem-B2, Environmental Engineering

16-Chem-B4/04-Agric-B10, Biochemical Engineering

16-Chem-B6, Petroleum Refining and Petrochemicals

16-Chem-B8, Polymer Engineering

16-Chem-B10, Life Cycle Assessment

16-Civ-A1/07-Str-A1, Elementary Structural Analysis

16-Civ-A2/07-Str-A2, Elementary Structural Design

16-Civ-A3, Elementary Environmental Engineering (national only)

16-Civ-A3/, M07-Wrse-A6, Municipal and Environmental Engineering (PEO only)

16-Civ-A4/07-Str-A3/07-Tra-A6, Geotechnical Materials and Analysis

16-Civ-A5/07-Str-B11, Hydraulic Engineering

16-Civ-A6, Highway Design, Construction, and Maintenance

16-Civ-B1/07-Str-A4, Advanced Structural Analysis

16-Civ-B2/07-Str-A5, Advanced Structural Design

16-Civ-B3/07-Str-B1, Geotechnical Design

16-Civ-B4/07-Wrse-A2, Engineering Hydrology

16-Civ-B5/07-Wrse-B3, Water Supply and Wastewater Treatment

16-Civ-B7, Transportation Planning and Engineering

16-Civ-B8/07-Str-B2, Management of Construction

16-Civ-B9/07-Str-A6-1, The Finite Element Method

16-Civ-B10, Traffic Engineering

16-Civ-B11, Structural Materials

16-Civ-B12, Risk & Safety in Civil Engineering

17-Comp-A2, Digital Systems Design

17-Comp-B5, Computer Communications

16-Elec-A1/16-Mex-A2, Circuits

16-Elec-A2/17-Phys-B5, Systems and Control

16-Elec-A3/17-Phy-A3, Signals and Communications

16-Elec-A4/16-Mex-A3/17-Phys-B3, Digital Systems and Computers

16-Elec-A5/16-Mex-A2, Electronics

16-Elec-A6/16-Mex-B10, Power Systems and Machines

16-Elec-A7, Electromagnetics

16-Elec-B1, Digital Signal Processing

16-Elec-B2/16-Mex-B3, Advance Control Systems

16-Elec-B3, Digital Communications systems

16-Elec-B4, Information Technology Networks

16-Elec-B5, Advanced Electronics

16-Elec-B6, Integrated Circuit Engineering

16-Elec-B7, Power Systems Engineering

16-Elec-B8, Power Electronics and Drives

16-Elec-B9, Electromagnetic Field, Transmission

16-Elec-B10, Electro-Optical Engineering

18-Env-A1/07-Wrse-B11, Principles of Environmental Engineering

18-Env-A2, Hydrology and Municipal Hydraulics Engineering

18-Env-A4, Water and Wastewater Engineering

18-Env-A6, Solid Waste Engineering and Management

18-Env-B5, Industrial and Hazardous Waste Management

18-Geol-A1, Mineralogy and Petrology

18-Geol-A3, Sedimentation and Stratigraphy

18-Geol-A4, Structural Geology

18-Geol-A5, Rock Mechanics

18-Geol-A6, Soil Mechanics

18-Geol-B1, Contaminant Hydrogeology

18-Geol-B3, Site Investigation

18-Geol-B10-1, Gravity & Magnetic Fields

18-Geom-A3, Geodsey & Positioning

18-Geom-A4, Photogrammetry

18-Geom-A5, Remote Sensing and Image Analysis

18-Geom-A6, Cadastral Studies

18-Geom-B1, Digital Terrain Modelling

18-Geom-B3, Networks and Precise Engineering Surveys

18-Geom-B5, Survey Law

17-Ind-A1, Operations Research

17-Ind-A2/08-Mfg-A4, Analysis & Design of Work

17-Ind-A3/08-Mfg-A5, Facilities Planning

17-Ind-A4/08-Mfg-A3, Production Management

17-Ind-A5/08-Mfg-A6, Quality Planning, Control, and Assurance

17-Ind-A6/08-Mfg-B3/16-Mex-A6, System Simulation

17-Ind-B1, Applied Probability and Statistics

17-Ind-B2/08-Mfg-A2, Manufacturing Processes

17-Ind-B10/08-Mfg-B9, Workplace Health and Safety

98-Mar-A2/16-Nav-A1, Fundamentals of Naval Architecture

98-Mar-A5/16-Mec-A7, Advanced Strength of Materials

98-Mar-B5/16-Mec-B6/08-Mfg-B11, Fluid Machinery (Mec-A6 national)

16-Mec-A1/17-Phys-B6/16-Nav-B1/16-Mex-A4, Applied Thermodynamics and Heat Transfer

16-Mec-A2/16-Mex-A5, Kinematics and Dynamics of Machines

16-Mec-A3/16-Mex-A1, System Analysis and Control

16-Mec-A4/08-Mfg-A1, Design and Manufacture of Machine Elements

16-Mec-A5, Electrical and Electronics Engineering

16-Mec-A6, Advanced Fluid Mechanics (Mec-B6 national)

16-Mec-A7/98-Mar-A5, Advanced Strength of Materials

16-Mec-B1, Advanced Machine Design

16-Mec-B2, Environmental Control in Buildings

16-Mec-B3, Energy Conversion and Power Generation

16-Mec-B4, Integrated Manufacturing Systems

16-Mec-B5/08-Mfg-B4/16-Mex-B8, Product Design and Development

16-Mec-B6/98-Mar-B5/08-Mfg-B11, Fluid Machinery (Mec-A6 national)

16-Mec-B7, Aero and Space Flight

16-Mec-B8, Engineering Materials

16-Mec-B9, Advanced Engineering Structures

16-Mec-B10, Finite Element Analysis

16-Mec-B12/08-Mfg-B8/16-Mex-B5, Robotics Mechanics

10-Met-A1, Metallurgical Thermodynamics

10-Met-B6, Physical Metallurgy of Iron and Steel

10-Met-B7, Phys. Metallurgy of Non-Ferrous Metals & Alloys

10-Met-B10/12-Mtl-B10, Advanced Electronic Materials

16-Mex-A1/16-Mec-A3, System Analysis and Control

16-Mex-A2/16-Elec-A1, Circuits

16-Mex-A2/16-Elec-A5, Electronics

16-Mex-A3/16-Elec-A4/17-Phys-B3, Digital Systems and Computers

16-Mex-A4/16-Mec-A1/17-Phys-B6/16-Nav-B1, Applied Thermodynamics and Heat Transfer

16-Mex-A5/16-Mec-A2, Kinematics and Dynamics of Machines

16-Mex-A6/08-Mfg-B3/17-Ind-A6, System Simulation

16-Mex-B3/16-Elec-B2, Advance Control Systems

16-Mex-B5/16-Mec-B12/08-Mfg-B8, Robotics Mechanics

16-Mex-B8/16-Mec-B5/08-Mfg-B4, Product Design and Development

16-Mex-B10/16-Elec-A6, Power Systems and Machines

08-Mfg-A1/16-Mec-A4, Design & Manufacture of Machine Elements

08-Mfg-A2/17-Ind-B2, Manufacturing Processes

08-Mfg-A3/17-Ind-A4, Production Management

08-Mfg-A4/17-Ind-A2, Analysis & Design of Work

08-Mfg-A5/17-Ind-A3, Facilities Planning

08-Mfg-A6/17-Ind-A5, Quality Planning, Control, and Assurance

08-Mfg-B3/16-Mex-A6/17-Ind-A6, System Simulation
08-Mfg-B4/16-Mec-B5/16-Mex-B8, Product Design and Development

08-Mfg-B6, Metrology

08-Mfg-B8/16-Mec-B12/16-Mex-B5, Robotics Mechanics

08-Mfg-B10, Tooling, Jigs & Fixture Design

08-Mfg-B11/16-Mec-B6/98-Mar-B5, Fluid Machinery (Mec-A6 national)

12-Mtl-A3, Structure and characterization of material

12-Mtl-A6, Thermal Treatment of Metals, Glasses, Ceramics

12-Mtl-B10/10-Met-B10, Advanced Electronic Materials

12-Mtl-B15, Joining of Material

16-Nav-A1/98-Mar-A2, Fundamentals of Naval Architecture

16-Nav-A3, Hydrodynamics of Ships: Ship Motion Exam

16-Nav-A4, Ship Structure and Strength of Ships

16-Nav-A5, Ship Design

16-Nav-B1/16-Mec-A1/17-Phys-B6/16-Mex-A4, Applied Thermodynamics and Heat Transfer

16-Nav-B3, Small Commercial Ships

17-Pet-A2, Petroleum Reservoir Fluids

17-Pet-A3, Fundamental Reservoir Engineering

17-Pet-A4, Oil and Gas Well Drilling and Completion

17-Pet-A6, Reservoir Mechanics

17-Pet-A7, Secondary and Enhanced Recovery

17-Pet-B3, Oil and Gas Evaluation and Economics

17-Pet-B4, Petroleum Geology

17-Pet-B5, Well Testing

17-Phys-A2, Statistical Physics

17-Phy-A3/16-Elec-A3, Signals and Communications

17-Phys-A4, Quantum Mechanics

17-Phys-A5-A, Electronic Materials and Devices

17-Phys-B1, Radiation Physics

17-Phys-B3/16-Elec-A4/16-Mex-A3, Digital Systems and Computers

17-Phys-B5/16-Elec-A2, Systems and Control

17-Phys-B6/16-Mec-A1/16-Nav-B1/16-Mex-A4, Applied Thermodynamics and Heat Transfer

19-Soft-A1, Algorithims & Data Structures

19-Soft-A4, (14-CIE-A5), Real Time Systems

19-Soft-A6, Software Quality Assurance

19-Soft-A7, Software Development Process

19-Soft-B4, Dependable System

19-Soft-B13, Performance Analysis & Simulation

07-Str-A1/16-Civ-A1, Elementary Structural Analysis

07-Str-A2/16-Civ-A2, Elementary Structural Design

07-Str-A3/07-Tra-A6/16-Civ-A4, Geotechnical Materials and Analysis

07-Str-A4/16-Civ-B1, Advanced Structural Analysis

07-Str-A5/16-Civ-B2, Advanced Structural Design

07-Str-A6-1/16-Civ-B9, The Finite Element Method

07-Str-A6-3/07-Str-B10, Earthquake Engineering

07-Str-B1/16-Civ-B3, Geotechnical Design

07-Str-B2/16-Civ-B8, Management of Construction

07-Str-B5, Foundation Engineering

07-Str-B11/16-Civ-A5, Hydraulic Engineering

07-Tra-A6/07-Str-A3/16-Civ-A4, Geotechnical Materials and Analysis

07-Wrse-A2/16-Civ-B4, Engineering Hydrology

07-Wrse-A6 /16-Civ-A3, Municipal and Environmental Engineering (PEO only)

07-Wrse-B3/16-Civ-B5, Water Supply and Wastewater Treatment

07-Wrse-B11/18-Env-A1, Principles of Environmental Engineering