

**TOTAL EXAMINATION PROGRAM**  
**PEO Syllabus of Examinations, 2018 Edition**

**ENVIRONMENTAL ENGINEERING**

**INTRODUCTION**

A full set of Environmental Engineering examinations consists of the following, three-hour examination papers and an engineering report. Candidates will be assigned examinations based on an assessment of their academic background. Examinations from discipline syllabi other than those specific to the candidates' discipline may be assigned at the discretion of PEO's Academic Requirement Committee.

**BASIC STUDIES EXAMINATIONS**

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-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 and Design Process

**PROFESSIONAL EXAMS – SPECIFIC TO ENVIRONMENTAL ENGINEERING**

**GROUP A**

18-Env-A1	Principles of Environmental Engineering
18-Env-A2	Hydrology and Municipal Hydraulics Engineering
18-Env-A3	Geotechnical and Hydrogeological Engineering
18-Env-A4	Water and Wastewater Engineering
18-Env-A5	Air Quality and Pollution Control Engineering
18-Env-A6	Solid Waste Engineering and Management

**GROUP B**

18-Env-B1	Environmental Assessment and Management Systems
18-Env-B2	Water Resources
18-Env-B3	Contaminant Transport
18-Env-B4	Site Assessment and Remediation
18-Env-B5	Industrial & Hazardous Waste Management
18-Env-B6	Agricultural Waste Management
18-Env-B7	Environmental Sampling and Analysis
18-Env-B8	Instrumentation and Process Control
18-Env-B9	Environmental Chemistry and Microbiology

**COMPLEMENTARY STUDIES**

11-CS-1	Engineering Economics
11-CS-2	Engineering in Society – Health & Safety
11-CS-3	Sustainability, Engineering and the Environment
11-CS-4	Engineering Management

3.2	Engineering Report
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