

MASTER OF ENGINEERING/ MASTER OF SCIENCE IN SANITATION TECHNOLOGY

Admission Test

The admission test will comprises both the written test (70% weightage) and the interview (30% weightage). The written test would comprise objective questions (100 marks) and would weigh 70% of total marks. Only those securing a minimum of 40 marks in the written test would be selected for the interview. Successful candidates passing both the written test and the interview (i.e. obtaining 50% of total marks) would be selected for admission on the basis of merit list.

Syllabus for Admission Test 2020 A.D
MASTER OF ENGINEERING/ MASTER OF SCIENCE IN SANITATION TECHNOLOGY
1. Introduction to Environmental Science (15%) Ecosystem, Environmental pollution, Climate change, Environmental hazard and Disaster risk reduction, Environmental impact assessment
2. Water Supply Engineering (20%) Introduction, Water cycle, Sources and intakes, Water demand, Water quality and tests, Water treatment processes, Water distribution system and design, Pipe and pipe joints, Water standards
3. Sanitary Engineering (25%) Introduction, Sewer appurtenances, Wastewater characteristics and tests, Wastewater treatment processes and design, Natural methods of wastewater disposal, Treatment and disposal of sludge, Wastewater standards
4. Solid Waste Management (15%) Introduction, Sources and types of waste, Waste segregation, collection and transportation, Waste processing and treatment, Waste disposal
5. Public Health (15%) Introduction, Determination of public health, Vectors and its controls, WASH, WASH related diseases and its control
6. Project Management (10%) Basic financial terms, Project Management Cycle, Bar charts and milestone charts, Elements of network, Network analysis, CPM-PERT method, Time estimates and time computations

Note: All the questions will be multiple choices and duration of written test will be 2 hours.