

# Civil Engineering

## AMICE (I) at par with BE / B Tech

Minimum qualification : 10 + 2 (Sci.) pass with  
Maths, Physics, & Chemistry  
OR any other exam equivalent to it.

(Degree Level)

### Part - II

<b>Semester I</b>	<b>TC 2.1</b> Surveying <b>TC 2.2</b> Fluid Mechanics & Machinery <b>TC 2.3</b> Soil Mechanics <b>TC 2.4</b> Mechanics of Solids
<b>Semester II</b>	<b>TC 2.5</b> Basic Structural Design <b>TC 2.6</b> Environmental Engineering <b>TC 2.7</b> Construction Technology <b>TC 2.8</b> Estimation, Costing & Specifications
<b>Semester III</b>	<b>TC 2.9</b> Civil Engineering Designs

### Section - A

<b>Semester IV</b>	<b>AC 1.1</b> Advanced Engineering Mathematics <b>AC 1.2</b> Advanced Strength of Materials <b>AC 1.3</b> Computer Programming & Numerical Methods
<b>Semester V</b>	<b>AC 1.4</b> Foundation Engineering <b>AC 1.5</b> Reinforced Concrete Structures & Advanced Concrete Tech. <b>AC 1.6</b> Design of Steel Structures

### Section - B

<b>Semester VI</b>	<b>BC 2.1</b> Applied Hydraulics & Fluid Machines <b>BC 2.2</b> Machine Foundations <b>BC 2.3</b> Advanced Reinforced Concrete Design <b>BC 2.4</b> Optimization in Structural Design
<b>Semester VII</b>	<b>BC 2.5</b> Environmental Engineering Any THREE Elective Subjects from ONE group
<b>Semester VIII</b>	Any TWO Elective Subjects from the selected group of semester 7 * Training

### Elective Subjects

#### Any Five subjects from the following Groups

- Group I - Building Construction
- Group II - Highway Engineering
- Group III - Environmental Engineering
- Group IV - Irrigation & Drainage Engineering

### Eligibility Condition:

<b>For Section A</b>	Student must have cleared all the subjects of Part II
<b>For Section B</b>	Student must have cleared all the subjects of Section A