



## CBCS SCHEME

USN

--	--	--	--	--	--	--	--	--	--

21ARC85

**Eighth Semester B.Arch. Degree Examination, Dec.2025/Jan.2026**

### **Construction and Project Management**

Time: 3 hrs.

Max. Marks: 100

**Note: Answer any FIVE full questions, choosing ONE full question from each module.**

#### **Module-1**

- 1 What are the distinct phases within the life cycle of a construction project and could you provide an in – depth analysis of each phase? (20 Marks)

**OR**

- 2 Elaborate types of Organisation structures – suggest an organization chart for small construction. (20 Marks)

#### **Module-2**

- 3 Write short notes on following :

- a. Cost Benefits Analysis. (10 Marks)
- b. SWOT Analysis. (10 Marks)

**OR**

- 4 Briefly outline the role of a project manager across the various phases of the management process. (20 Marks)

#### **Module-3**

- 5 Define the following :

- a. Tail event
- b. Activity
- c. Serial Activity
- d. Parallel Activity

(20 Marks)

**OR**

- 6 What are the key components and steps involved in project cost analysis? Give a brief outline. (20 Marks)

#### **Module-4**

- 7 What is the role of the project manager in ensuring that project specification are met throughout the project lifecycle? (20 Marks)

**OR**

- 8 a. Write a short note on Quality Management in construction. (10 Marks)  
b. What are the health and safety measures are to be observed during construction? (10 Marks)

#### **Module-5**

- 9 a. Explain the factors involved in selecting equipment for the construction industry. (08 Marks)  
b. Identify and explain two types of equipment used in earthwork operations. (12 Marks)

**OR**

- 10 Define and explain the difference between standard and special equipment and describe the parameters to be considered when selecting equipment. (20 Marks)

\*\*\*\*\*

Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.  
2. Any revealing of identification, appeal to evaluator and /or equations written eg. 42+8 = 50, will be treated as malpractice.