

CBCS SCHEME



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Eighth Semester B.Arch. Degree Examination, June/July 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 a. Explain in brief about principles and objectives of Project Management. (10 Marks)
- b. Elaborate the life cycle stages of a project. (10 Marks)

OR

- 2 a. Explain in brief about types of construction firms. (10 Marks)
- b. Write a note on :
- i) Qualities of an ideal construction organization
- ii) Ethics in construction industry. (10 Marks)

Module-2

- 3 a. Discuss the role of consultants and contracts in various stages of Decision making. (10 Marks)
- b. Write short notes on :
- i) SWOT analysis
- ii) Cost Benefit Analysis. (10 Marks)

OR

- 4 a. Explain the role of project Manager in various stages of construction project. (10 Marks)
- b. What is Value Engineering? Explain the following decision making principles of tools used by the project manager. (10 Marks)

Module-3

- 5 a. Explain in brief about Project evaluation and review techniques. (10 Marks)
- b. Write short notes on :
- i) Workdown structure
- ii) Differentiate between CPM and PERT Analysis. (10 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.

OR

- 6 a. Explain in brief about resource optimization and project crashing. (10 Marks)
- b. Explain in brief about
- i) Bar chart
 - ii) Mile stone chart. (10 Marks)

Module-4

- 7 a. Write a brief note on quality management in construction. (10 Marks)
- b. Write a brief note on health and safety management in construction industry. (10 Marks)

OR

- 8 a. Explain the find checking method before certifying the works on site based on BoQ and terms of contract. (10 Marks)
- b. Explain the find checking method for role of project manager is highly serious in any project, so is construction manager highlight the major difference between project management and construction management. (10 Marks)

Module-5

- 9 a. Write the factors affecting selection of construction machinery. (10 Marks)
- b. Discuss the various types of equipments used in concerting operations. (10 Marks)

OR

- 10 a. Discuss the impact of increasing mechanization on construction industry. (10 Marks)
- b. Describe the role of equipment machinery in construction industry. (10 Marks)

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