

CBCS SCHEME



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21ARC85

Eighth Semester B.Arch. Degree Examination, June/July 2025 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. Explain in brief about project evaluation and review technique. (10 Marks)
- b. Explain in brief about
(i) Project Feasibility Study
(ii) Investment criteria (10 Marks)

OR

- 4 a. Explain the following :
(i) Value Engineering (ii) Decision tree (10 Marks)
- b. Write short notes on :
(i) SWOT Analysis (ii) Cost Benefit Analysis (10 Marks)

Module-3

- 5 a. Explain in brief about critical path method with CPM chart. (10 Marks)
- b. Write the advantages and disadvantages of PERT in construction management. (10 Marks)

OR

- 6 a. Explain in brief about resource optimization and project crashing. (10 Marks)
- b. Explain in brief about techniques used in project scheduling and management. (10 Marks)

Module-4

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

OR

- 8 a. Explain in brief about role of a project manager in monitoring the specifications. (10 Marks)
- b. Explain in brief about
(i) Project updating (ii) Progress curves. (10 Marks)

Module-5

- 9 a. Explain in brief about various issues involved in owning operating and maintaining of construction equipment. (10 Marks)
- b. Write the factors affecting selection of construction machinery. (10 Marks)

OR

- 10 a. Discuss the various types of equipments used in concreting operations. (10 Marks)
- b. Describe the role of equipment/machinery in construction industry. (10 Marks)

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