

CBCS SCHEME

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18ENG85

Eighth Semester B.Arch. Degree Examination, July/August 2022

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

- a. What are the characteristics of Management? (10 Marks)
b. What are the functions of Management? (10 Marks)

OR

- Elaborate types of Organisation structures. Suggest a Organisation chart for small construction. (20 Marks)

Module-2

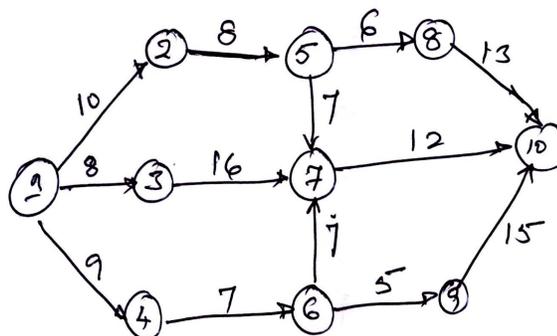
- a. Define : i) Duration ii) Earliest Start time iii) Earliest Finish time
iv) Total float. (10 Marks)
b. What is the purpose of having Material Management system in construction? (10 Marks)

OR

- Write short notes on :
a. Decision Tree.
b. SWOT Analysis.
c. Cost Benefit Analysis.
d. Value Engineering. (20 Marks)

Module-3

- Determine the Early start and Late start in respect of all node points and identify critical path for the following Network. (20 Marks)



OR

- Write short notes on :
a. Project updating and Information required for updating the project. (05 Marks)
b. Steps in the process of updating. (10 Marks)
c. The updating cycle. (05 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.

Module-4

- 7 a. What are the Safety precautions to prevent Accidents? (10 Marks)
b. How does the Project Manager use the R.A bills and work certification tool to monitor and control the projects? (10 Marks)

OR

- 8 a. What is Work break down structure? Mention its significance in Construction project. (10 Marks)
b. Explain Breakeven chart. (10 Marks)

Module-5

- 9 a. Explain the classification of Construction Equipments. (10 Marks)
b. Write a short note :
i) Economic life of Equipment.
ii) The necessity to Mechanize. (10 Marks)

OR

- 10 Describe and sketch any Force Equipments used in Large Scale Construction. (20 Marks)

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