

CBCS SCHEME

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18ENG85

Eighth Semester B.Arch. Degree Examination, June/July 2024

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. State the principles and objectives of Project Management. (10 Marks)
b. Elaborate on life cycle phases of Project Management. (10 Marks)

OR

- 2 a. What is Project Management? (05 Marks)
b. List and define study areas of project management. (15 Marks)

Module-2

- 3 What is the significance of project feasibility study write a brief note on it? (20 Marks)

OR

- 4 Write short notes on : (20 Marks)
i) Decision tree
ii) SWOT analysis
iii) Cost benefit analysis
iv) Investment criteria.

Module-3

- 5 a. Define the following : (10 Marks)
i) Activity
ii) Event
iii) Dummy activity
iv) Sequencing
v) Successor activity.
b. Construct the network diagram for a project whose activities are given below :

Activities	Immediate Predecessor
A	-
B	-
C	-
D	A
E	B
F	C
G	C
H	E, F
I	D
J	H, G

(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 For the activities given, draw the network diagram find EST, LFT, critical path and estimated time of projects completion.

Activities	Immediate Predecessor	Duration weeks
A	-	3
B	-	4
C	-	6
D	B	3
E	A	9
F	A	1
G	B	4
H	C, D	5
I	C, D	4
J	E	3
K	F, G, H	6
L	F, G, H	3
M	I	6
N	J, K	9

(20 Marks)

Module-4

- 7 a. Explain the importance of safety measures at construction site. Enlist the safety precautions to be taken at construction site to prevent accidents. (10 Marks)
- b. What is updating? What are the steps involved in the process of updating of construction projects. (10 Marks)

OR

- 8 What is quality planning? Explain briefly about quality management in construction projects. (20 Marks)

Module-5

- 9 What are the parameters considered in selection of Construction equipments? What are standard and special equipments used in construction projects. (20 Marks)

OR

- 10 Enlist 4 construction equipments one from each category and explain in detail any one of them with a neat sketch.
- Hauling equipment
 - Concrete mixer
 - Hoisting equipment
 - Piling equipment.

(20 Marks)

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