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18ENG85

Eighth Semester B.Arch. Degree Examination, June/July 2023 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 Write short notes on the following:

- a. Project scope
- b. Project budgeting
- c. Project planning
- d. Project scheduling.

(20 Marks)

OR

2 Explain in detail the purpose of project management with suitable examples.

(20 Marks)

Module-2

3 Write short notes on the following:

- a. SWOT analysis.
- b. Cost/Benefit analysis.

(10 Marks)

(10 Marks)

OR

4 Explain in detail role of the project manager in construction project.

(20 Marks)

Module-3

5

Activity	Duration in days	Preceding	Following
A	3	-	B, C
B	2	A	D, E
C	3	A	F
D	5	B	F
E	6	B, C	F, G
F	5	D, E	-
G	4	E	-

a. Draw network diagram and find EST, LST, EFT, LFT.

(10 Marks)

b. Find Total Float (T.F), Free Float (F.F) and Independent Float (I.F).

(10 Marks)

OR

6

Activity	T ₁	T ₂	T ₃
AB	2	5	8
AC	2	4	6
BD	3	5	13
BE	2	3	10
CE	4	6	14
CF	4	8	12
EG	6	9	16
FG	4	10	16

a. Draw the network diagram and find EST, LST, EFT, LFT.

(10 Marks)

b. Find Total Float, Free Float and Independent Float.

(10 Marks)

Module-4

7 Explain in detail the quality audits and process analysis in construction projects. (20 Marks)

OR

8 Explain in detail the process of project measurement and control of the construction projects. (20 Marks)

Module-5

9 Explain in detail owning and operating cost of construction equipment. (20 Marks)

OR

10 Write short notes on the following:

a. Hauling Equipments (10 Marks)

b. Hoisting Equipments. (10 Marks)

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