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Eighth Semester B.Arch. Degree Examination, Jan./Feb. 2023 Project and Construction Management

Time: 3 hrs. Max. Marks:100

Note: 1. Answer any FIVE full questions, choosing ONE full question from each module.
2. Use of Normal Distribution function table is permitted.

Module-1

- a. Explain Project Management and its importance in Construction Industry.
 - b. Briefly explain the study/knowledge areas of Project Management.

(10 Marks) (10 Marks)

OR

2 Explain project management life cycle and the activities in each phase with examples.
(20 Marks)

Module-2

- 3 Write short notes :
 - a. Decision tree
 - b. SWOT Analysis
 - c. Project feasibility study
 - d. Scope planning.

(20 Marks)

(10 Marks)

OR

Name the important consultants for a construction project and explain their roles at various stages of the project life cycle. (20 Marks)

Module-3

- 5 a. Explain what is work break down structure with examples.
 - b. Draw the network diagram for following table:

Activity	Predecessor
A	-
В	_
C	A
D	A
Е	B, C
F	B, C
G	D, E
Н	D, E
I	F, G

Table Q5(b)

(10 Marks)

OR

Name three project scheduling technique and explain any two with example.

(10 Marks)

Draw the network diagram for the following table:

Job	Identification	Job	Identification				
A	1, 2	F	4, 5				
В	2, 3	G	4, 7				
С	2, 4	Н	5, 8				
D	3,6	I	6, 8				
Е	3,5	J	<i>₹</i> 7, 8				

Table.Q6(b

(10 Marks)

Module-4

Explain in detail with examples: 7

Quality planning

(10 Marks)

b. Construction health and safety management

(10 Marks)

OR

Write short notes on: 8

- Quality inspection
 - Measurement book b.
 - Quality standards
 - d. Running bills.

(20 Marks)

Module-5

List the factors affecting selection of construction machinery.

(10 Marks)

Briefly explain different types Dumpers.

(10 Marks)

OR 🧖

What are the standard earth moving and excavation equipments used for construction? 10 (20 Marks) Elaborate any two with neat sketches.