

18ENG85

(05 Marks)

(20 Marks)

(10 Marks)

(08 Marks)

Eighth Semester B.Arch. Degree Examination, Dec. 2023/Jan. 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

a Explain various phases of project life cycle and its importance in overall project. (12 Marks)
 b Explain the categorization of projects as per contractors needs and brief note on why is that needed. (08 Marks)

OR

- a List the different forms of organization structure. Suggest a suitable organization for a medium scale construction company. (15 Marks)
 - b. Write a brief note on ethics in construction industry.

Module-2

Briefly explain the role of project manager in different phases of management process.

OR

4 Mentioning various aspects of feasibility study, discuss the tools/methods used by project manager for any project. (20 Marks)

Module-3

- 5 a. Discuss briefly work breakdown structure, sequencing, activity, dummy activity.
 - b. What is meant by construction management technique? Briefly describe the various techniques used in construction industry. (10 Marks)

OR

- 6 a. Define the various "Floats" used in CPM.
 - b. A minor project consisting of following activities and their time durations are as shown in the table below. Draw the network diagram for the same and find out the total project duration, Orbital path and all the floats for the activities.

Activity	Preceding	Duration
	Activity	(in days)
A	-	5
В	-	10
C	Α	10
D	А	15
E	В	5
F	В	6
G	С	5
Н	E	7
J	F	7

(12 Marks)

1 of 2

Any revealing of identification, appeal to evaluator and 'or equations written eg, 42+8=50, will be treated as malpractice Important Note : 1 On completing your answers, compulsonly draw diagonal cross lines on the remaining blank pages 2. Any revealing of identification inneat to evaluator and for evaluator and for evaluator and for evaluator and for evaluator.

1

2

3

18ENG85

Module-4

- 7 a. How to monitor and control the cost of the project at the progressive stage? Explain it briefly. (10 Marks)
 - b. Write a brief note on importance of,
 - (i) Updating
 - (ii) Progressive curve.

(10 Marks)

OR

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

Module-5

9 a. Discuss the impact of increasing mechanization on construction industry.
 (08 Marks)
 (08 Marks)
 (12 Marks)

OR

- 10 a. Briefly explain the various factors involved in selecting equipment for a construction project. (08 Marks)
 - b. List the various types of equipments used in earth work operations. Explain any one in detail with neat sketches showing various components. (12 Marks)

2 of 2