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Gandhi Institute of Engineering and Technology University, Odisha, Gunupur
(GIET University)



B. Tech (Eighth Semester - Regular) Examinations, April - 2025

21BCVPE48011 – Construction Management

(Civil Engineering)

Time: 3 hrs

Maximum: 70 Marks

Answer ALL questions
(The figures in the right hand margin indicate marks)

PART – A

(2 x 5 = 10 Marks)

Q.1. Answer **ALL** questions

	CO #	Blooms Level
a. Define project management and explain its importance in construction.	CO1	K1
b. What are the key objectives of time management in construction projects?	CO1	K2
c. State the major causes of cost overruns in construction.	CO2	K2
d. Explain the concept of lean construction and its benefits.	CO2	K2
e. List two project monitoring techniques and briefly describe them.	CO3	K1

PART – B

(15 x 4 = 60 Marks)

Answer **all** the questions

	Marks	CO #	Blooms Level
2. a. Explain the roles and responsibilities of a construction project manager.	8	CO1	K2
b. Describe different types of scheduling methods used in construction.	7	CO1	K3
(OR)			
c. Discuss the importance of budgeting and cost control in construction.	8	CO1	K3
d. Explain the impact of poor planning on project performance.	7	CO1	K3
3.a. Explain the steps involved in project procurement planning.	8	CO2	K2
b. Discuss the role of communication in construction project success.	7	CO2	K3
(OR)			
c. What are the key performance indicators (KPIs) in construction management?	8	CO2	K4
d. Describe how technology (e.g., drones, AI) improves construction management.	7	CO2	K2
4.a. Explain the concept of cash flow management in construction projects.	8	CO3	K3
b. Discuss how sustainability practices are integrated into modern construction projects.	7	CO3	K3
(OR)			
c. Explain the role of dispute resolution methods in construction projects.	8	CO3	K3
d. Describe the advantages of modular construction techniques.	7	CO3	K2
5.a. Discuss the future role of automation and robotics in construction management.	8	CO4	K4
b. Explain the significance of change management in large construction projects.	7	CO4	K3
(OR)			
c. Describe the concept of project feasibility analysis.	8	CO4	K3
d. What are the latest trends in managing mega construction projects?	7	CO4	K4

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