



R20 Regulation

Subject code:3E8AF

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

(Autonomous, Accredited by NAAC with 'A+' Grade)

B.Tech VIII Semester Supplementary Examinations, November 2025

CONSTRUCTION PROJECT PLANNING & MANAGEMENT (CE)

Maximum Marks: 70

Date: 27.11.2025

Duration: 3 hours

- Note:
1. This question paper contains two parts A and B.
 2. Part A is compulsory which carries 20 marks. Answer all questions in Part A.
 3. Part B consists of 5 Units. Answer any one full question from each unit which carries 10M.
 4. Each question carries 10 marks and may have a, b, c, d as sub questions.

Part-A

All the following questions carry equal marks (10X2M=20 Marks)		Marks	CO	Bloom Tx
1	Name a few decision making tools.	2M	1	BL1
2	Mention the qualities of good leadership.	2M	1	BL1
3	Give the objectives of construction management.	2M	2	BL1
4	How is a bar chart used in project management?	2M	2	BL1
5	What is the importance of resource planning in construction projects?	2M	3	BL1
6	Why is scheduling necessary in construction?	2M	3	BL1
7	Mention the difference between a registered agreement and a contract.	2M	4	BL1
8	What is the purpose of Measurement Book?	2M	4	BL1
9	Mention the significance of workmen's compensation act.	2M	5	BL1
10	Compare wages and bonus.	2M	5	BL1

Part-B

Answer All the following questions. (5X10M=50Marks)		Marks	CO	Bloom Tx
11	Give an account of various decision making tools and techniques under risk and uncertainty.	10M	1	BL2
OR				
12	Enlist the stages involved in project planning and discuss the functions of a project manager in a construction project.	10M	1	BL2
13	Describe the various steps in data collecting and reporting.	10M	2	BL3
OR				
14	Discuss the guidelines for the construction of project network and enumerate the differences between PERT and CPM networks.	10M	2	BL2
15	Explain the importance of equipment in construction industry and discuss the aspects of construction equipment that are required to be studied to accomplish cost effective and timely completion of construction projects.	10M	3	BL2
OR				

16	Classify budget and list the characteristics of a good budget. Add a note on the problems and challenges in preparing a budget.	10M	3	BL3
17	Write down the rules for inviting and processing tender. Add a note on the documents required.	10M	4	BL2
	OR			
18	a) What is Arbitration? Discuss its advantages. b) Discuss about a contract document.	5M 5M	4	BL3
19	Discuss the importance of safety in construction site. Discuss the common causes of accidents and the concerned legal aspects.	10M	5	BL3
	OR			
20	Give an account of the key provisions of welfare legislation in India and its impact on workers in the construction industry.	10M	5	BL2