



*R18 Regulation* *Subject code: 2E8AD*  
**TKR COLLEGE OF ENGINEERING AND TECHNOLOGY**  
(Autonomous, Accredited by NAAC with 'A' Grade)

**B.Tech VIII Semester Regular/Supplementary Examinations, April 2023**  
**Construction Project Planning & Management**  
(Civil Engineering)

**Maximum Marks: 70**

**Date:05.05.2023 Duration: 3 hours**

**Part-A**

All the following questions carry equal marks

(10x2M=20 Marks)

- 1 What are the necessities of planning?
- 2 Mention the role of a project manager in a construction project.
- 3 How is the critical path determined?
- 4 What is a Gantt chart? How is it used in project management?
- 5 Define Productivity.
- 6 List the role of scheduling in construction management.
- 7 What are the different types of deposits in construction contracts?
- 8 What is an M Book?
- 9 Mention the role of insurance in workplace.
- 10 What are the different laws related to wages?

**Part-B**

Answer All the following questions.

(5X10M=50Marks)

- 11 A. Discuss the objectives and functions of construction management. (5)  
B. Write short notes on Human resource management. (5)  
OR
- 12 A. Describe the various phases of project management. (5)  
B. Discuss the construction management theories briefly. (5)
- 13 A. Compare PERT and CPM. (5)  
B. What are different elements present in PERT network? Explain with an example. (5)  
OR
- 14 A. Describe the process of data collection in construction project planning. (5)  
B. Explain how data driven approach can be effectively used project decisions making. (5)
- 15 Explain about Resource planning and Resource Allocation. (10)  
OR
- 16 List the various factors affecting the selection of construction equipment. Also present a detailed discussion on the essential economic considerations required for construction equipment selection. (10)
- 17 A. Discuss the important conditions for contracts. (5)  
B. Explain the Muster Roll Stores. (5)  
OR
- 18 A. Discuss the different types of contracts used in construction projects. (6)  
B. What are the advantages and disadvantages of each type of contract? (4)
- 19 Explain the legal and financial implications of workplace accidents in the construction industry? (10)  
OR
- 20 Discuss the key provisions of safety measures and its impact on workers in the construction industry. (10)