



**R18 Regulation**

**Subject code: 2E8AD**

**TKR COLLEGE OF ENGINEERING AND TECHNOLOGY**

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

**B.Tech VIII Semester Supplementary Examinations, April 2024**

**CONSTRUCTION PROJECT PLANNING AND MANAGEMENT  
(Civil Engineering)**

**Maximum Marks: 70**

**Date: 24.04.2024 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.
  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)**

- 1 Define construction and construction management.
- 2 What is meant by steady flow of project?
- 3 Explain Gantt bar chart.
- 4 Explain briefly the precedence relationship among activities
- 5 Define work breakdown structure.
- 6 What is resource constraint scheduling
- 7 What are the elements of contract?
- 8 Discuss various causes of accident in work site.
- 9 Define depreciation.
- 10 List out the laws related to social security.

**Part-B**

Answer All the following questions.

**(5X10M=50Marks)**

- 11 Write down the phases of construction project management and explain in detail about each. [10M]

**OR**

- 12 Explain project control and objective of project control. [10M]

- 13 Write in detailed procedure involved in critical path method with diagram. [10M]

**OR**

- 14 A) Enlist various conditions in tender document. [5M]  
B) Explain about specifications in contract document. [5M]

- 15 Explain workmen's compensation act. [10M]

**OR**

- 16 Briefly explain different types of resources and problems in their allocation. [10M]

- 17 Explain any four types of contracts in detail with suitable example. [10M]

**OR**

- 18 A) What are power and duties of an arbitrator? [5M]  
B) Write conditions of contract agreement ? [5M]

19 Describe safety requirements for demolition works, and safety measures to be adopted for Excavation. [10M]

OR

20 Discuss various types of Management information Systems. [10M]