



R18 Regulation

Subject code:2E8AD

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY
(Autonomous, Accredited by NAAC with 'A' Grade)

B.Tech VIII Semester Regular Examinations, June 2022

CONSTRUCTION PLANNING AND PROJECT MANAGEMENT
(CIVIL ENGINEERING)

Maximum Marks: 70

Date:18.06.2022 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)

- 1 Draw the flow chart for management process.
- 2 Write a short note on HRM?
- 3 Define Ghant chart.
- 4 State the difference between CPM and PERT.
- 5 How to classify the construction equipment's?
- 6 Write about forms of scheduling?
- 7 Define the term arbitration.
- 8 List few important conditions in contract document.
- 9 Write down the laws related to bonus and wages.
- 10 What is meant by occupational and safety hazard assessment?

Part-B

Answer All the following questions.

(5X10M=50Marks)

- 11 Write detailed notes on tools and techniques for Planning and Strategic management. (10M)
- OR
12. Discuss in detail about organizational structure. (10M)
 - 13 For the network having following details determine optimum duration and corresponding minimum cost. (10M)

activity	Normal cost Ra	Normal duration	Crash cost	Crash duration
1-2	4500	4	6500	2
1-3	7000	6	10000	4
1-4	5000	5	7000	4
4-5	8000	8	9500	5
2-5	7000	5	7800	3
3-5	4000	4	5000	2

OR

- 14 Brief in detail about the functions of construction management and its applications. (10M)

15 Enumerate the importance of budget and budgetary control methods in construction project management. (10M)

OR

16 State advantages and disadvantages of hiring construction equipment's. (10M)

17 Explain in detail with an example of elements in contract document. (10M)

OR

18 List and brief the types of contracts with an example. (10M)

19 Explain the necessity of labour legislation. Explain any two labour laws. (10M)

OR

20 Write a brief notes on Workman's compensation act and other related labour laws. (10M)