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Total Number of Pages : 1

M.TECH

M.TECH 3RD SEMESTER REGULAR EXAMINATIONS, NOV 2019

Project Planning and Construction Management

Branch: SE, Subject Code:MSEPE3012

Time: 3 Hours

Max Marks : 70

PART-A

(10 X 2=20 MARKS)

1. Answer the following questions.

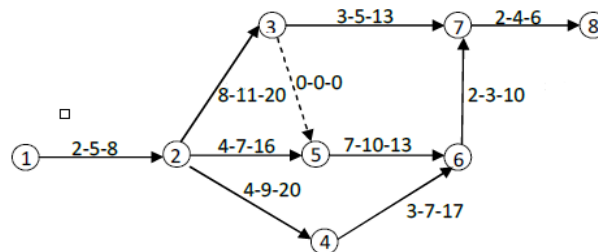
- What are the types of error in network?
- Define the term dummy activity?
- What do you mean by tender?
- Define most probable time?
- Write a note on contract document
- What is cash flow?
- List out the factors that affect site layout?
- What is the purpose of work scheduling?
- Define activity indirect cost?
- What do you mean by liquidated damage?

PART-B

(5 X 10=50 MARKS)

Answer any five questions from the following.

- Explain the necessity of labour legislation. Explain any two labour laws. 5
 - Explain cash flow diagram and its importance with simple example 5
- What are the various advantage and disadvantage of bar chart. 5
 - Explain three time estimates with reference to PERT. 5
- A construction company has to submit a bid for the construction of a new apartment building. The PERT network along with the three time estimate (in week) for each activity of the project is shown in the figure below. Determine critical path and its standard deviation. Probability of completing the work in 30 week. 5



- Describe the concept of work break down structure and its importance in project planning. 5
- Define arbitration and what is its objective. Describe the qualifications of arbitrator. 5
 - What do you understand by site layout? What are the factors affecting the site layout? 5
- Describe the different types of pile driving equipments with neat sketches. What are the various hauling equipments used in construction describe it briefly? 10
- What is labour contract? Write its advantages and disadvantages. 5
 - Why it is necessary to carry out project audit? List the key areas that are covered in project audit? 5
- Write short notes on
 - Event 5
 - Tender Document 5

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