

Register Number  
Name of the Candidate:

**DIPLOMA EXAMINATIONS, May 2015**

**(CONSTRUCTION MANAGEMENT)**

**520: CONSTRUCTION PLANNING AND MANAGEMENT**

Time: Three hours

Maximum: 100 marks

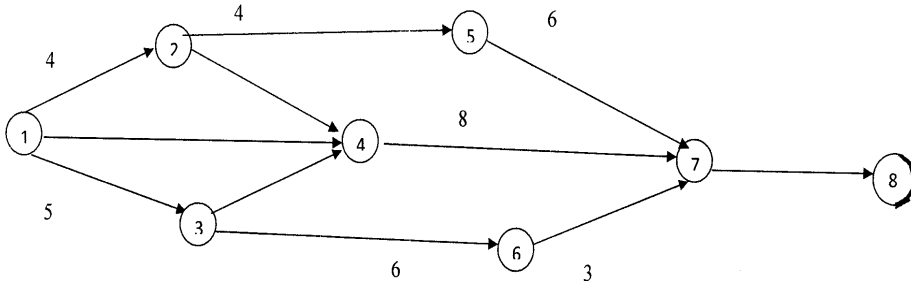
**Answer any ONE full question from each unit (5×20=100)**

**UNIT-I**

1. Explain the various stages of planning process. (10)
  2. Explain work breakdown structure of a project. (10)
- (OR)
3. Write the objectives and principle of planning of project. (10)
  4. Discuss the limitations bar chart and milestone chart. (10)

**UNIT-II**

5. Find the earliest expected time(Te) of all events. (20)



(OR)

6. What are the three time estimates used in PERT? Explain their significance. (10)
7. What is Slack? What are the different type of slack? (10)

**UNIT-III**

8. Write the difference between CPM and PERT. (10)
  9. What is float? What are the different types of floats? Explain briefly (10)
- (OR)
10. Explain briefly the different types of activity times. (10)
  11. Briefly explain backward pass and forward pass. (10)

**UNIT-IV**

12. Explain the different types of resources. (10)
13. Explain in detail material management in a construction management. (10)
- (OR)
14. What are the objectives of resource levelling? Explain its advantage. (10)
15. Explain how cost duration graphs are plotted and optimum duration is determined. (10)

**UNIT-V**

16. Explain the elements of quality control. (10)
17. Explain the factors affecting the job layout. (10)
- (OR)
18. Discuss on importance of safety in construction industry. (10)
19. Briefly explain n the causes of accident. (10)

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