

**1141****Code : 15CE62T***Register  
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**VI Semester Diploma Examination, Nov./Dec.-2018****PROJECT MANAGEMENT AND VALUATION****Time : 3 Hours |****| Max. Marks : 100****PART – A**Answer any **six** questions each carries **five** marks.

1. What are the objectives of construction management ?
2. Write the organization chart of state PWD (Public Works Department).
3. Explain the concept of PPP model and list the various PPP models.
4. What is Construction Planning and what are its objectives ?
5. What is administrative approval and importance of Technical Sanction ?
6. List the five benefits of ISO 9000 certification.
7. Write brief note on sinking fund and salvage value.
8. Explain the concept of Entrepreneurship.
9. List the qualities of successful entrepreneur.

**PART – B**

(Question No. 13 and 19 are **compulsory** and answer any **five** question from the remaining. Each carries **10** marks)

10. Explain the various stages in construction of a project from concept of realization.
11. Prepare a Bar chart for any construction project containing at least 10 activities.
12. What is construction planning ? List the objectives of construction planning.
13. Draw a network diagram for the following. B follows A, C follows A, D and E follows B, F follows C and D, G follows E and F. Determine the critical path for the network diagram if the duration of activities A, B, C, D, E, F and G are 2, 6, 3, 1, 6, 3 and 6 days respectively. Find the critical path.
14. Explain the procedure of calling, opening and acceptance of a tender.
15. What is e-tendering ? State the need for departmental execution of work.
16. Explain the rules to be followed in recording measurement in M-book.
17. Write a short note on occupational health hazards in construction industry.
18. Explain in brief the various stages of inspection to control the quality of work.
19. In a plot of land costing ₹ 20 lakhs, a building has been newly constructed at a total cost of ₹ 80 lakhs including sanitary, water supply and electrical installations etc., the building consisting of four flats for four tenants. The owner expects 8 percent return on the cost of construction and 5 percent return on the cost of land. Calculate the standard rent for each flat of the building. Assuming (i) the life of the building as 60 years and sinking fund will be created on the 4% interest basis, (ii) Annual repairs cost at 1% of the cost of construction, (iii) other outgoings including taxes at 30% of the net return on the building.