

**1020****Code : 15CE62T**Register  
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**VI Semester Diploma Examination, April/May-2019****PROJECT MANAGEMENT AND VALUATION****Time : 3 Hours ]****[ Max. Marks : 100**

- Instructions :** (i) Answer any **six** questions from Part - A.  
(ii) Answer any **seven** questions from Part - B. Question No. 12 and Q. No. 16 is compulsory.

**PART - A**

1. What is Job layout ? What are the factors affecting Job layout ? 5
2. Briefly explain the functions of construction management. 5
3. Differentiate between CPM and PERT. 5
4. Define : 5
  - (a) Float
  - (b) EST
  - (c) Bar chart
  - (d) Critical activity
  - (e) PERT
5. What is pre-measurement ? Explain with examples. 5
6. What are the General conditioning contract ? 5
7. What are the causes of accidents in construction industry ? 5
8. Explain the need for inspections of construction work. 5
9. What are the purposes of valuation ? 5

**PART - B**

10. Explain the stages involved in a construction project. 10
11. Explain the need of organization in construction. Explain the types of organization. 10
12. Draw the network diagram for the following data. Determine the critical path and find the duration of the project : 10

Activity	Duration (days)	Depends on activity
A	3	None
B	6	A
C	16	A
D	10	A
E	8	B
F	5	C & E
G	3	D & F

13. List the types of contracts. Explain any three of them. 10
14. Explain briefly : 10
- Cash book
  - Imprest account
  - Muster Roll
  - RA Bill
15. Explain the various stages of inspection and quality control for RCC work and excavation in foundation. 10
16. What are the purposes of valuation ? A person has purchased an old building at a cost of ₹ 6,00,000 on the basis that the cost of land is ₹ 2,50,000 and cost of the structure is ₹ 3,50,000 considering the future life of the building structure be 18 years, workout the amount of annual sinking fund at 4% interest when scrap value is 12% of the cost of the building. 10
17. What are the types of entrepreneurial skills ? Explain briefly. 10
18. Write short note on : 10
- E-tendering
  - Breach of contract
19. What are the objectives of construction planning ? Explain material schedule and labour schedule. 10