

6621

BOARD DIPLOMA EXAMINATIONS

SEPTEMBER/OCTOBER-2020

DCE - FIFTH SEMESTER

CONSTRUCTION TECHNOLOGY AND PROJECT MANAGEMENT

Time: 3 hours

Max. Marks: 80

PART – A

3 X 10 = 30

- Instructions:**
1. Answer **all** questions.
 2. Each question carries **Three** Marks.
 3. Answer should be brief and straight to the point and should not exceed Five simple sentences.

1. Define grade of concrete and differentiate between normal strength concrete and high strength concrete.
2. Name any six excavation equipment used in construction.
3. State any three requirements of good ventilation in buildings.
4. List different types of electrical wiring.
5. Define feasibility report.
6. Explain technical sanction.
7. State any three limitations of bar chart.
8. What is indent?
9. State any three duties of a Licensed surveyor.
10. What is the role of APSFC in promoting small scale industry?

PART – B

5 X 10 = 50

- Instructions:** 1. Answer any **Five** questions
2. Each question carries **TEN** Marks.
3. Answer should be comprehensive and Criteria for Valuation is the content but not the length of the answer.

11. State the properties and uses of
a) Light weight concrete b) High density concrete
12. Explain about
a) Concreting in under water conditions b)concreting in cold weather conditions.
13. State the duties of Superintending Engineer.
14. Draw the CPM net work diagram for the following data. Identify the critical path. Find the total duration of the project.

Activity	1-2	1-3	1-4	2-5	3-5	3-6	4-6	5-7	6-7	7-8
Duration	1	3	4	3	4	5	6	5	2	4

15. What is the information to be included in a tender document? Explain.
16. List the rules to be followed in recording measurements in M-book.
17. Explain the necessity of periodical inspection of stores.
18. List the formalities to become a contractor.