

3722

BOARD DIPLOMA EXAMINATION, (C-09)

MARCH/APRIL—2021

DCE - SIXTH SEMESTER EXAMINATION

CONSTRUCTION AND QUALITY MANAGEMENT

Time : 3 hours]

[Total Marks : 80

PART—A

4×5=20

- Instructions :** (1) Answer *any five* questions.
(2) Each question carries **four** marks.
(3) Answers should be brief and straight to the point and shall not exceed five simple sentences.

1. Define the following terms :
(a) Administrative approval
(b) Technical sanction
2. List the duties of Deputy Executive Engineer.
3. What are the safety measures to be taken up at construction site?
4. What is the difference between Security Deposit and Earnest Money Deposit?
5. List any three aspects of inspection of works.
6. Define the following terms :
(a) Indent
(b) Invoice
7. State any three concessions given to Civil Engineer to start an enterprise and execute contracts.

8. What are the duties of Licensed Surveyor?
9. State the limitations of ISO 9000.
10. Define the following terms :
 - (a) Batching
 - (b) Construction tolerance

PART—B

15×4=60

- Instructions :** (1) Answer *any four* questions.
 (2) Each question carries **fifteen** marks.
 (3) Answers should be comprehensive and criterion for valuation is the content but not the length of the answer.

11. Mention various duties of Assistant Executive Engineer regarding works.
12. List various types of contracts. Explain any two types.
13. Draw the CPM network diagram for the following data :

Activity	1-2	2-3	2-4	2-5	3-6	5-6	5-7	4-7	6-8	7-8	8-9
Duration	6	4	4	5	6	7	8	6	5	6	9

Identify the critical path and total duration of the project.

14. What are different cement manufacturing companies in India?
15. State and explain the classification of stores.
- * 16. (a) Explain the role of national banks in the development of small industries.
 (b) Explain different types of assistance program available for small business enterprises from Central and State Governments.
17. Explain the terms 'product identification' and 'traceability' in ISO 9001.
18. What are the duties of site Engineer in construction industry.

★ ★ ★