



c09-c-603

3722

BOARD DIPLOMA EXAMINATION, (C-09)

OCT/NOV—2015

DCE—SIXTH SEMESTER EXAMINATION

CONSTRUCTION AND QUALITY MANAGEMENT

Time : 3 hours]

[Total Marks : 80

PART—A

3×10=30

Instructions : (1) Answer **all** questions.

(2) Each question carries **three** marks.

(3) Answers should be brief and straight to the point and shall not exceed *five* simple sentences.

1. Define construction management. State any two objectives of it.

2. State any three objectives of planning.

3. State any three advantages of network analysis.

4. Define (a) contract and (b) contractor.

5. List any three aspects of inspection of works.

6. Define (a) indent and (b) invoice.

7. State the requirements for licenced surveyor.

8. What do you understand by the leadership role of the banks and other financial institutions in the development of small-scale enterprise?

- * 9. State any three limitations of ISO 9000.
10. Define (a) batching and (b) construction tolerance.

PART—B

10×5=50

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

11. (a) State any five duties of an executive engineer.
 (b) Explain administrative approval.
12. A project has eleven activities. The expected time of each activity is given below :

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

Draw the project network and identify the critical path. Draw the tabular form showing EST, LST, EFT, LFT and FLOAT.

13. List the various types of contracts. Explain any two types.
14. Discuss about (a) permanent establishment and (b) workcharged establishment.
15. List the recoveries to be made from bills of contractors. Explain any two of them.
16. List and explain the assistance provided by State Governments to the educated unemployed in setting up small-industrial units.
- * 17. Explain the terms (a) product identification and traceability in ISO 9001 and (b) process control in ISO 9001.
18. List and explain the basic elements of quality.
