



c09-c-603

3722

**BOARD DIPLOMA EXAMINATION, (C-09)  
SEPTEMBER/OCTOBER - 2020  
DCE—SIXTH SEMESTER EXAMINATION**

CONSTRUCTION AND QUALITY MANAGEMENT

Time : 3 hours ]

[ Total Marks : 80

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**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. State the differences between feasibility report and project report.
2. Mention the need of construction management.
3. State any three advantages of network analysis.
4. Write short notes on (a) EMD and (b) security deposit.
5. Explain briefly about NMR.
6. Write a short note on MAS account.
7. List the formalities to become a contractor.
8. Write a short note on landscape gardening.
9. State any three limitations of ISO 9000.
10. What are different methods of batching? Distinguish among them.

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**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.** What are different aspects to be considered in the preliminary planning of (a) rural water supply and (b) residential housing colony? 5+5

**12.** A project has eleven activities. The expected time of each activity is given below :

|                           |     |     |     |     |     |     |     |     |     |     |     |
|---------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| <i>Activity</i>           | 1-2 | 2-3 | 2-4 | 2-5 | 3-6 | 5-6 | 5-7 | 4-7 | 6-8 | 7-8 | 8-9 |
| <i>Duration</i> (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.** What is 'M' book? Explain any eight rules to be followed in recording the measurements.

**14.** (a) Explain the need for calling of tenders. 4

(b) State any six conditions to be maintained in contract agreement. 6

**15.** (a) Explain the need for supervision of works. 5

(b) State the common irregularities of muster roll. 5

**16.** What is entrepreneurship? Specify the characteristics of an entrepreneur.

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**17.** Explain ISO 9000 series of quality systems.

**18.** List and explain the basic elements of quality.

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