



C09-C-603

3722

BOARD DIPLOMA EXAMINATION, (C-09)

MARCH / APRIL - 2019

DCE - VI SEMESTER EXAMINATION

CONSTRUCTION & 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) Answer should be brief and straight to the point.

- 1 Define the term “Construction Management” and state any two objectives.
- 2 List any three Engineering Departments of Government.
- 3 State various Construction Stages.
- 4 Define : (a) Contract (b) Contractor $1\frac{1}{2}+1\frac{1}{2}$
- 5 Distinguish between regular and work charged establishment.
- 6 State three precautions in preparation and closing of Muster Rolls.
- 7 Mention three duties of a Licensed Surveyor.
- 8 List any six assisting institutions set up for development of $6\times\frac{1}{2}$ business.
- 9 State three benefits of TQM.
- 10 Mention any three tolerance levels in Construction.

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[Contd...

PART - B**10×5=50**

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

11 Explain the Organizational Structure of PR Department with chart. **6+4**

12 Draw the CPM Network for the following data. **3+4+3**

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

Identify the Critical Path. Find the Total Duration of the project. Draw the Tabular form showing EST, LST, EFT, LFT and Float

13 Explain lumpsum contract systems available in construction industry with its advantages and disadvantages. **6+4**

14 Explain in detail the rules to be followed in preparing the Muster Roll.

15 Explain the necessity of Periodical Inspection of Stores.

16 What is Entrepreneurship ? Explain the various opportunities. **2+8**

17 Explain the outstanding features of ISO 9000 series of standards.

18 Explain briefly the relationship between the strength of Brickwork and Strength of Mortar.