

\*

**3722**

**BOARD DIPLOMA EXAMINATION, (C-09)**

**MARCH /APRIL-2019**

**DCE - SIXTH SEMESTER EXAMINATION**

**CONSTRUCTION & QUALITY MANAGEMENT**

Time: 3Hrs

Max. Marks: 80

**PART-A**

**10x3=30M**

**Instructions:** 1) Answer all the questions. Each question carries 3 marks  
2) Answer 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 any six aspects to be considered during preliminary planning of Rural water supply project.
- 3) State the salient features of Bar chart.
- 4) State the legal obligations of contract.
- 5) Distinguish between Regular and work- charged establishment.
- 6) Write short note on departmental execution of works
- 7) What are the requirements of a licenced surveyor?
- 8) Define: (a) Enterpreneur (b) Entrepreneurship.
- 9) State the Limitations of ISO 9000 series.
- 10) List the control aspects of batching and mixing.

\*

[WWW.MANARESULTS.CO.IN](http://WWW.MANARESULTS.CO.IN)

**PART-B**

**10x5=50M**

- Instructions:* 1) Answer any five questions Each question carries 10 marks  
2) Answer should be comprehensive and the criterion for valuation is the content but not length of the Answer.

- 11) (a) Distinguish between Feasibility report and project report.  
(b) State the information that should be included in project report.
- 12) Draw the CPM network diagram for the following data.

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

Identify the critical path. Find the Total duration of the project. Draw the tabular Form showing EST, LST, EFT, LFT and float.

- 13) Explain the various contract systems available for construction works.
- 14) (a) Mention common irregularities in muster rolls.  
(b) Briefly explain the need for imprest amount.
- 15) (a) What is a stock register? How it is maintained?  
(b) What are the various recoveries to be made from
- 16) Explain the role of national banks in the development of small scale Industries and small business.
- 17) (a) List the benefits of TQM.  
(b) What are the drawbacks of ISO 9000 series.
- 18) (a) Explain briefly the inspection of reinforcement grills.  
(b) Explain briefly the inspection of form work.

\* \* \*