



c09-c-603

**3722**

**BOARD DIPLOMA EXAMINATION, (C-09)  
MARCH/APRIL—2016  
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 any three objectives of planning.
2. List any three aspects to be considered during preliminary planning of a rural water supply project.
3. Distinguish between construction stage and construction operation.
4. List any three documents to be attached to the signed tender.
5. State the need for inspection of works.
6. State any six points to be observed in checking of bills.
7. State any three concessions given to a civil engineer to start an enterprise and execute contracts.

8. State any three <sup>\*</sup> formalities to become a contractor.
9. State any three benefits of TQM.
10. State any three tolerance levels in RCC work.

**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. Explain the organizational structure of PR department with chart.
12. Briefly explain various contract systems available in construction industry.
13. (a) Explain the need for calling of tenders. 4  
(b) State any six conditions to be maintained in contract agreement. 6
14. What is 'M' book? Explain any eight rules to be followed in recording the measurements. 2+8=10
15. (a) Explain the preparation and closing of muster roll. 5  
(b) State the common irregularities of muster roll. 5
16. Explain any five assistance programs for small business enterprise extended by the Government.
17. Describe sampling plan. Explain sampling risks of acceptance and rejections.
18. (a) Explain the inspection of reinforcement grills. 5  
(b) Explain the inspection and examination of form work. 5

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