



c09-c-603

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BOARD DIPLOMA EXAMINATION, (C-09)

APRIL/MAY—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.

1. Define the following terms : 1½+1½=3
 - (a) Administrative approval
 - (b) Technical sanction
2. List the duties of a Deputy Executive Engineer. 3
3. What are the safety measures to be taken up at construction site? 3
4. What is the difference between Security Deposit and Earnest Money Deposit? 1½+1½=3
5. Explain briefly about NMR. 3
6. What is the need of material at site account (MAS)? 3

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7. List various assisting institutions set up for development of small business. 3
8. Write a short note on landscape gardening. 3
9. What is TQM? State the need for TQM. $1\frac{1}{2}+1\frac{1}{2}=3$
10. What are different methods of batching? Distinguish among them. $1\frac{1}{2}+1\frac{1}{2}=3$

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=10

12. Draw the CPM network diagram for the following data :

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

Identify the critical path. Find the total duration of the project.

Draw the tabular form showing EST, LST, EFT, LFT and float.

4+1+1+4=10

13. (a) What are (i) comparative statement and (ii) work order? $2\frac{1}{2}+2\frac{1}{2}=5$

(b) What is the information to be included in a tender document? 5

14. (a) List the reasons for imposing penalties to the contractor. 5

(b) What are the recoveries to be made from the bills to be paid to the contractors? 5

15. State the ^{*}classification of stores and explain. 4+6=10
16. (a) Explain the role of national banks in the development of small industries. 5
- (b) Explain different types of assistance program available for small business enterprises from Central and State Government. 5
17. (a) State the outstanding features of ISO 9000 series of standards. 5
- (b) What are the drawbacks of ISO 9000? 5
18. Explain the points to be considered in the inspection and examination of form work. 10

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