



C14-C-605

4720

BOARD DIPLOMA EXAMINATION, (C-14)

SEPTEMBER/OCTOBER - 2020

DCE—SIXTH SEMESTER EXAMINATION

QUALITY CONTROL AND SAFETY IN CONSTRUCTION

Time : 3 hours ]

[ Total Marks : 80

**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. Explain briefly the concept of modular coordination.
2. Write the nominal dimensions for (a) slab thickness, (b) parapet height and (c) column size.
3. Describe the relation between strength of brickwork and strength of mortar.
4. State the dimensional accuracies.
5. Briefly explain about accident due to fall.
6. Write three basic guidelines for safety against construction equipment operations.
7. State the classification of accidents.
8. Write any three points in accident report.

- \* 9. State three safety measures for accidents due to slip, trip and fall.
10. State three protection measures for property losses.

**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 management functions and regulations of an advisory organization.
12. Describe the procedure to prepare detailed specification from general specifications.
13. Explain the quality control inspection in formwork.
14. Discuss the advantages and disadvantages of sampling.
15. Explain the standards of fire prevention.
16. Describe the safety requirements in formwork and scaffolding.
17. State the salient features of a safety program.
18. Explain the planning for accident prevention.

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