



c14-c-605

4720

BOARD DIPLOMA EXAMINATION, (C-14)

OCT/NOV—2017

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. Write any three standards for industrial buildings.
2. State any three CPWD guidelines for field officers in general.
3. State the reason why to avoid rich mortar in brickwork.
4. State the dimensional accuracies.
5. Briefly explain about accident due to fall.
6. What are the safety measures against fire hazards?
7. Write the classification of accidents.
8. Write any three salient features of a safety programme.

* 9. What is indirect cost of an accident? Give one example.

10. What is the role of risk management in construction?

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 various functional aspects of residential buildings.

12. Describe the procedure to prepare detailed specification from general description.

13. (a) Explain briefly about the quality of the filler materials.

(b) Explain briefly the inspection of reinforcement grills. 4+6

14. (a) State the tolerances levels in construction industry.

(b) Explain about the visual appearance. 6+4

15. Describe the safety measures adopted in demolition of a building.

16. Define accidents. Explain the causes of accidents. 2+8

17. Describe the safety measures to be taken for storage and handling of building materials.

18. Write in detail the requirements for accident prevention planning.
