



**c14-c-605**

**4720**

**BOARD DIPLOMA EXAMINATION, (C-14)  
MARCH/APRIL—2018  
DCE—SIXTH SEMESTER EXAMINATION**

**QUALITY CONTROL AND SAFETY IN CONSTRUCTION**

*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. 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. Define sampling acceptance and state the purpose.
5. List the safety measures to be taken against fire hazards.
6. List out the common types of fall accidents in construction industry.

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7. Explain briefly the cost of accidents in construction.
8. List out the details collected in initial accident report.
9. Describe the safety precautions for piling in foundation.
10. Briefly explain about the analyzing and assessing risks.

**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 a advisory organization.

12. Explain the preparation of detailed specification from general specifications.

13. Explain the inspection of—

(a) reinforcement grills;

(b) formwork.

5+5=10

14. Write about the tolerance levels of concrete in construction industry.

15. Describe the safety during the demolition of buildings.

16. Describe the safety measures for storage and handling of building materials.

17. State the salient features of a safety program.

18. Explain about the planning for accident prevention in construction industry.

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