



**c14-c-605**

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**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. Write about any three IS codes used in civil engineering.
2. List three duties to be done by junior engineer field officer instructed by PWD and CPWD.
3. Define the following terms :
  - (a) Quality control
  - (b) Quality assurance
  - (c) Total quality management
4. Write short note on visual appearance of building.
5. Write any three safety measures against fire hazards.
6. What are the precautions to be taken before demolition of buildings?

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7. Define <sup>\*</sup>accident and list the causes of accidents.
8. List the classification of accidents.
9. What are the safety measures should be taken for electrical accidents?
10. Define (a) risk and (b) risk management.

**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. List and explain the standards for industrial buildings.
12. Explain detail specification for various item of work in construction.
13. Write about quantity control inspection in form work.
14. Explain the different types of sampling plans.
15. What are different types of accidents due to fall? List preventive measures.
16. How do you prepare a accident report?
17. What are the safety measures to be taken in form work and scaffolding?
18. Explain about legal losses and property losses in construction.

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