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BOARD DIPLOMA EXAMINATION, (C-14)

MARCH/APRIL—2021

DCE - SIXTH SEMESTER EXAMINATION

QUALITY CONTROL AND SAFETY IN CONSTRUCTION

Time : 3 hours ]

[ Total Marks : 80

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**PART—A**

4×5=20

- Instructions :** (1) Answer *any five* questions.  
(2) Each question carries **four** 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. List the safety measures to be taken against fire hazards.
6. List out the common types of fall accidents in construction industry.
7. Explain briefly the cost of accidents in construction.
8. List out the details collected in initial accident report.
9. State three safety measures for accidents due to slip, trip and fall.
10. State three protection measures for property losses.

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**PART—B**

15×4=60

- Instructions :** (1) Answer *any four* questions.  
(2) Each question carries **fifteen** marks.  
(3) Answers should be comprehensive and 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. (a) Explain briefly about the quality of the filler materials.  
(b) Explain briefly the inspection of reinforcement grills.
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. What are the duties of site Engineer in any civil construction project?

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