

4720

BOARD DIPLOMA EXAMINATION, (C-14)

MARCH /APRIL-2019

DCE - SIXTH SEMESTER EXAMINATION

QUALITY CONTROL &amp; SAFETY IN CONSTRUCTION

Time: 3 Hours]

[Max. Marks: 80

**PART-A****3x10=30M**

**Instructions:** 1) Answer **all** questions. Each question carries **three** marks.  
2) Answer should be brief and straight to the point and shall not exceed five simple sentences.

- 1) What do you understand by the concept of quality control.
- 2) Define Specifications.
- 3) Define (i) Quality Control (ii) Quality Assurance
- 4) What are the uses of statistics in quality control of construction.
- 5) State three fire detecting equipment.
- 6) State three causes of construction accidents.
- 7) State three classifications of accidents.
- 8) State three safety measures for storage and handling of building materials.
- 9) State three safety measures for accidents due to slip, trip and falls.
- 10) State three protection measures for property losses.

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**PART-B**

**5x10=50M**

**Instructions:** 1) Answer any five questions. Each question carries ten marks.

2) Answers should be comprehensive and the criterion for valuation is the content but not the length of the answer.

11) Write the detailed specifications of concrete.

12) Explain management aspects of quality control.

13) Explain the quality control in concrete.

14) Discuss the advantages and disadvantages of sampling.

15) Explain the standards of fire prevention.

16) Describe the safety measures to be taken for hot bituminous works.

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

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18) Explain planning for accident prevention.

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