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7622**BOARD DIPLOMA EXAMINATION, (C-20)****DECEMBER—2022****DCE - FIFTH 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 a short note on responsibilities of field officers.
2. State three items of works for preparation of detailed specifications.
3. What are the management aspects in quality control?
4. Write a short note on quality of concrete.
5. Define (a) quality control and (b) quality assurance.
6. State three fire detecting equipments.
7. State three safety measures for accidents due to slip, trip and fall.
8. List out the details collected in initial accident report.
9. State three safety measures for electrical accidents.
10. Explain analyzing and assessing risks.

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PART—B

8×5=40

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- Instructions :** (1) Answer **all** question.
(2) Each question carries **eight** marks.
(3) Answers should be comprehensive and criterion for valuation is the content but not the length of the answer.

- 11.** (a) Describe the quality control aspects of batching and mixing of concrete.

(OR)

- (b) What is sampling plan? Explain sampling risks of acceptance and rejections.

- 12.** (a) Explain the preventive methods of accidents.

(OR)

- (b) Describe the safety during the demolition of buildings.

- 13.** (a) Describe the safety measures for storage and handling of building materials.

(OR)

- (b) What is the classification of construction accidents?

- 14.** (a) Briefly explain safety measures for prefabricated components and transportation.

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(OR)

- (b) Explain loss control approach in the cost of accidents and safety measures for roof work.

- 15.** (a) Explain about the common causes of construction accidents.

(OR)

- (b) Explain risk management measures for controlling losses.

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PART—C

10×1=10

- Instructions :** (1) Answer the following question.
(2) The question carries **ten** marks.
(3) Answer should be comprehensive and the criterion for valuation is the content but not the length of the answer.

16. Explain the quality of mortar in masonry.

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