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C-14-C-605

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**BOARD DIPLOMA EXAMINATION, (C-14)
OCTOBER/NOVEMBER-2018
DCE – SIXTH SEMESTER EXAMINATION**

QUALITY CONTROL AND SAFETY IN CONSTRUCTION

Time : 3 Hours]

[Total Marks: 80

PART-A

3X10=30

- Instructions :**
1. Answer **All** questions.
 2. Each question carries **Three** marks.
 3. Answer should be brief and straight to the point and shall not exceed five simple sentences.

1. Define specifications and state its types.
2. What are the management aspects of quality control?
3. List the control aspects of batching and mixing.
4. Define the sampling plan.
5. Define fire-fighting equipment and write the characteristics of fire which can be detected by fire detector.
6. What are the causes of accidents while using machinery in construction?
7. Define accident and write the causes of accidents.
8. What is cost of accident?
9. Write about accident report.
10. Define risk and risk management.

PART-B

10X5=50

Instructions :

1. Answer any **Five** questions.
2. Each question carries **ten** marks.
3. Answer should be comprehensive and the criterion for valuation is the content but not the length of the answer

11. Explain the specifications required for RCC.
12. (a) What is modular co-ordination and explain its benefits.
(b) Write the nominal dimensions for any five of following:
 - (i) Sill height
 - (ii) Parapet height
 - (iii) Column size
 - (iv) Slab thickness
 - (v) Drawing room
 - (vi) Dining room
 - (vii) Bed room
13. (a) Explain the inspection of reinforcement grills
(b) Explain briefly about the quality of the filler materials
14. Write a short notes on (a) Visual appearance (b) Construction tolerance
(c) Dimensional accuracy
15. (a) What are the safety measures against fire hazards?
(b) Explain the preventive methods of accidents.
16. Explain the safety measures for scaffolding, ladders formwork and other requirement
17. Explain the safety measures in demolition of buildings.
18. Explain the role of risk management process.

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