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**BOARD DIPLOMA EXAMINATION, (C-09)**

**OCT/NOV—2018**

**DCE—SIXTH SEMESTER EXAMINATION**

**MAINTENANCE OF BUILDINGS**

*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. List any three objectives of maintenance.
2. Differentiate between structural and nonstructural cracks.
3. What is routine maintenance?
4. Define rehabilitation.
5. Define underpinning.
6. Classify different types of crack as per SP 25-1984.
7. What are the factors that influence thermal expansion of brick wall?

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8. What is earthing? How is it achieved?
9. What are the factors to be checked in conduit wiring?
10. What are (a) blank tender, and (b) conditional tender?

**PART—B**

10×5=50

**Instructions** : (1) Answer *any five* questions.

(2) Each question carries **ten** marks.

(3) The answers should be comprehensive and the criteria for valuation is the content but not the length of the answer.

11. Mention the causes of early deterioration or failure.
12. What are the common defects in buildings?
13. Briefly explain foundation failures due to (a) unequal supports, and (b) change in water content. State the remedial measures.
14. What are the safety aspects to be considered in HEMM operations?
15. Briefly discuss the causes of dampness.
16. Explain the defects in wood work.
17. What are the precautions to be taken in maintenance of septic tank?
18. List out the terms that a tender document should contain.

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