



c09-c-606C

3727

BOARD DIPLOMA EXAMINATION, (C-09)

OCT/NOV—2017

DCE—SIXTH SEMESTER EXAMINATION

MAINTENANCE OF BUILDINGS

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. What is preventive maintenance?

2. List any four non-destructive tests.

$\frac{3}{4} \times 4 = 3$

3. Differentiate structural and non-structural cracks.

4. Define rehabilitation.

5. Write any four uses of heavy earth movers.

$\frac{3}{4} \times 4 = 3$

6. List any four water-proofing chemicals.

$\frac{3}{4} \times 4 = 3$

7. Explain nest treatment for timber.

8. Draw neat sketch of water seal.

9. List any four factors to be checked in electrical service connection.

$\frac{3}{4} \times 4 = 3$

10. What is lumpsum contract?

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PART—B

10×5=50

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

- 11.** List the factors affecting durability of buildings.
- 12.** List the causes of non-structural cracks in buildings. Explain any three. 4+(2×3)=10
- 13.** What are the reasons for foundation failures in buildings? Explain any two. 4+3+3=10
- 14.** Explain the demolition process of walls and floors in buildings. 5+5=10
- 15.** What are the methods of damp proofing in buildings? Explain any two methods. 4+(3×2)=10
- 16.** Explain the remedial measures for cracks in walls.
- 17.** (a) List the plumbing problems in water supply and sanitary lines. 5
(b) Explain the principles of plumbing. 5
- 18.** (a) Explain premeasurement and check measurement. 5
(b) What are the details to be mentioned in tender notice. 5
