



c09-c-606C

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BOARD DIPLOMA EXAMINATION, (C-09)

MARCH/APRIL—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. State any three objectives of maintenance.
2. List the causes of earlier deterioration of building.
3. List the types of defects in buildings.
4. State the need for rehabilitation.
5. State the safety aspects during demolition process.
6. List the methods of damp proofing.
7. Write the remedial measures for vertical cracks.
8. List three methods of arresting leakage in pipe joints.

- * 9. Explain earthing in electrical services of a building.
10. List six points in 'inspection proforma' for maintenance of building.

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. Explain the categories of maintenance.
12. Describe the methods of investigation of defects.
13. Explain the underpinning with neat sketches.
14. Explain demolition process of any three building components.
15. Explain the remedial measures of cracks as per SP-25.
16. Explain the repairs of roofs due to leakages.
17. Describe the common repairs in water supply and sanitary lines.

* 18. Write short notes on the following : 5+5=10

(a) Measurement book

(b) Standard measurement book
