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BOARD DIPLOMA EXAMINATION, (C-09)

MARCH/APRIL—2014

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. Define the term 'maintenance' of buildings. 3
2. List out the common cracks in building. $\frac{1}{2} \times 6$
3. State the uses of earth moving equipment. 3
4. Define the term 'underpinning'. 3
5. Distinguish between structural and nonstructural cracks. $1\frac{1}{2} \times 2$
6. Mention any three defects in woodwork due to termites. 1×3
7. What are the common repairs and adjustments in sanitary fittings? 3
8. What are the remedies for plumbing leakage? 3

- * 9. Write a short note on soak pit. 3
10. What is meant by periodical maintenance? 3

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 various categories of maintenance of buildings. 2½×4
12. Explain with examples how the method of rehabilitation of buildings is carried out. 5×2
13. Explain the load transfer failure of the foundations with some remedial methods. 5+5
14. Explain the safety precautions to be followed during the demolition of buildings. 10
15. List the causes of dampness in a building and remedial measures. 5+5
16. State the causes for the settlement of floors and suggest some repairs. 6+4
17. Explain about the maintenance of electrical installations. 10
- * 18. (a) Explain about standard measurement books. 5
(b) Explain about any two types of contract. 5
