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3727

BOARD DIPLOMA EXAMINATION, (C-09)

OCT/NOV—2015

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. Write any four objectives of maintenance.
2. What are the stages in primary investigations of defects in building?
3. How structural cracks occurs in buildings?
4. What is the need of demolition of buildings?
5. State factors that influence selection of HEMM.
6. What are the causes of dampness in buildings?
7. Briefly explain the maintenance of marble floor.
8. What are the factors to be considered in internal wiring?

* 9. List the measures for effective functioning of floor trap.

10. What is M-book?

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. (a) List the causes of early deterioration of buildings.

(b) Briefly explain how weathering agencies causes deterioration. 5+5=10

12. Explain the rebound hammer test with a neat sketch. 5+5=10

13. Explain the safety aspects to be considered in demolition of buildings.

14. (a) What are the different methods of underpinning?

(b) What are the precautions to be taken before underpinning commenced? 4+6=10

15. (a) List the reasons for leakage in RCC roofs.

(b) Explain the method of removal of stains due to paints and varnishes.

16. Explain the treatment methods for wood work.

* 17. What are the emergency repairs to water supply and sanitary piping systems?

18. Explain periodical and annual maintenance of buildings. 5+5=10
