

B.Tech. Civil (Construction Management)

Term-End Examination

June, 2017

00248

ET-523(C)(S) : REPAIR AND MAINTENANCE OF BUILDINGS

Time : 3 hours

Maximum Marks : 70

Note : *Attempt any five questions. All questions carry equal marks. Give neat sketches in support of your answer wherever required.*

1. (a) Explain the defects in steel reinforcement during construction. 7
- (b) Briefly describe the defects in sewer lines. 7
2. (a) Describe the common defects in flooring. Also suggest suitable measures to be followed to prevent the defects. 7
- (b) Discuss various types of cracks developed in building components. 7
3. (a) Describe briefly the structure of a tree. 7
- (b) Discuss the qualities and requirements of a good preservative. 7

4. (a) Discuss the manufacturing and construction defects in a bib tap and stop cock. 7
- (b) Describe briefly the various acceptance tests for selection of bricks. 7
5. (a) Explain the procedure of detecting leaks in water supply systems. 7
- (b) Discuss the classification of defects in masonry work. 7
6. (a) Describe the causes of defects and deterioration in concrete structures. 7
- (b) Discuss in detail about dampness, its causes and preventive methods in buildings. 7
7. Write short notes on any *two* of the following : $2 \times 7 = 14$
- (a) Metal Spraying and Nickel Plating
- (b) Heart Shake and Ring Shake
- (c) Polymer Impregnation and Polymer Concrete Overlays
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