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ET-523(C)

B.Tech. CIVIL (CONSTRUCTION MANAGEMENT)

Term-End Examination, 2019

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

Time : 3 Hours]

[Maximum Marks : 70

Note : Answer any five questions. All questions carry equal marks.

1. (a) Explain the importance of singular causes of deterioration in structures. [7]
- (b) Describe the measures taken to prevent early cracks in concrete. [7]
2. (a) Discuss the defects in timber due to "Fungi". [7]
- (b) Explain the effects of temperature in steel. [7]
3. (a) Describe the common defects in "Bath Fittings". [7]
- (b) Discuss the various methods adopted for preservation of timber. [7]

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[P.T.O.]

4. (a) Explain the method of protecting concrete from chloride ions. [7]
- (b) Describe the common maintenance problems in "Building Plumbing." [7]
5. (a) Discuss cracking, scaling, spalling and delamination. [7]
- (b) Explain the common defects in Flooring. [7]
6. (a) Describe various defects in masonry structures. [7]
- (b) Discuss the causes of dampness in buildings. [7]
7. (a) Describe the classification of waterproofing with the help of a systematic diagram. [7]
- (b) Explain the procedure of repair of fire damaged concrete structures. [7]
8. Write short notes on the following : [4x3½]
- (a) Cross-section of an Exogenous Tree
- (b) Cleaning Out Vent Stack

(c) Efflorescence in Walls

(d) Types of cracks in concrete beam

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