

B.Tech. Civil (Construction Management)

Term-End Examination

June, 2012

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

Time : 3 hours

Maximum Marks : 70

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

1. (a) Explain the procedure for repair of dampness / leakage. 7
(b) Describe the defects in timber due to conversion. 7
2. (a) Explain the methods of evolution of corrosive environment. 7
(b) Describe the defects in waste water plumbing lines. 7
3. (a) Explain the qualities and requirements of a good preservative. 7
(b) Describe the different types of coatings and protective layers provided for steel. 7

4. (a) Explain the different methods of cleaning out a trap. 7
(b) Discuss the different causes of failure of foundations and their remedial measures. 7
5. (a) Explain the process of diagnosis of defects in flooring. 7
(b) Discuss the chemicals used for strengthening masonry works. 7
6. (a) Explain the various precautions to be taken during construction stages for prevention of dampness in buildings. 7
(b) Discuss the various types of water proofing with the help of neat sketches. 7
7. Write short notes on the following : $4 \times 3\frac{1}{2} = 14$
(a) Macro structure of a tree
(b) Corrosion of steel
(c) Structural elements of cobble stone flooring
(d) Efflorescence in walls.
8. Differentiate between the following : $4 \times 3\frac{1}{2} = 14$
(a) Exogeneous and endogeneous trees
(b) Cracking and Scaling
(c) Dampness and leakage
(d) Horizontal and Vertical cracks
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