

B.Tech. Civil (Construction Management)

Term-End Examination

December, 2016

00362

**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) What are the different defects in concrete structures ? 7
(b) How can we strengthen a cracked concrete beam ? 7
2. (a) What are the various defects in Timber ? 7
(b) What are the different types of Steel Reinforcement ? 7
3. (a) What are the defects that develop in sanitary footings during manufacturing ? 7
(b) What are the defects that appear in sewer lines due to bad maintenance ? 7

4. (a) What are the qualities of a good preservative ? 7
- (b) How will you inspect timber members ? 7
5. (a) What are the methods to control corrosion ? 7
- (b) What are the factors affecting the selection of pipes for water supply ? 7
6. (a) How will you find defects in flooring ? 7
- (b) How can damp proofing of floors be done ? 7
7. (a) What is the relevant chemical action in masonry structures ? 7
- (b) How can we arrest cracks in masonry walls ? 7
8. (a) Describe water proofing of a roof. 7
- (b) What are the types of cracks that develop in concrete structures ? 7
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