

Jaypee University of Information Technology, Waknaghat  
Test-1 Examinations – September 2018  
M. Tech 3<sup>rd</sup> semester (CM/SE)

Course code: 12M1WCE332

Max. Marks: 15

Course Name: Repair and Retrofitting of Structures

Course Credits:03

Max. Time: 1 Hrs

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**Note:** all questions are compulsory. Carrying of mobile phone during examinations will be treated as case of unfair means. Assume any missing data.

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- Q1. Discuss the steps involved in the occurrence of distress in reinforced concrete structures.
- a. Carbonation 3
  - b. Corrosion 3
- Q2. Write short note on followings.
- a. Electrochemical corrosion control 2
  - b. Corrosion inhibitors 1
- Q3. Define permeability of concrete along with the influencing factors. 3
- Q4. Define holistic models of deterioration to define distress in reinforced concrete structures. 3