

**Roll No.**

**Total No. of Pages : 01**

**Total No. of Questions : 08**

**M.Tech. (Structural Design) (Sem.-2)**

## CONSTRUCTION FAILURES

**Subject Code : MSTD-206**

**M.Code : 74298**

**Date of Examination : 22-12-2022**

**Time : 3 Hrs.**

**Max. Marks : 100**

**INSTRUCTIONS TO CANDIDATES :**

1. Attempt any FIVE questions out of Eight questions
2. Each question carries TWENTY marks.

1. a) “*Inadequate supervision and inspection cause construction failure.*” How?  
b) Write a short note on the “*Measures of construction failures*”.
2. Describe the professional & legal responsibilities to reduce the frequency and severity of construction failures.
3. Explain the factors affecting durability of concrete structures with emphasis on corrosion of reinforcement.
4. What are the points that one should keep in mind while supervision and inspection of any construction project to avoid future failures.
5. Explain major visual indications of distress in structures and their reasons in Concrete and Brick masonry.
6. Explain in detail “*poor workmanship and improper materials are the main causes of construction failures*”.
7. Write down the Indian codal provisions for design of durable concrete structures.
8. Explain with the help of a diagnostic chart the steps involved in diagnosing the problem affecting a structure which may lead to failure.

**NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.**