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Total No. of Pages : 01

Total No. of Questions : 08

M.Tech. Structural Design (2016 & Onwards) (Sem.-2)

CONSTRUCTION FAILURES

Subject Code : MSTD-206

Paper ID : [74298]

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. Explain the following terms :
 - a) Measure to avoid cracks in masonry structures.
 - b) Subsidence of Hood.
2. How can we make the structure earthquake resistant? What are the provisions according to IS1 893-2002 to make structure earthquake resistant? Explain.
3. Explain the measures to reduce frequency of construction failures.
4. What are the points that one should keep in mind while supervision and inspection of any construction project to avoid future failures.
5. What can be the reasons of cracks in concrete and masonry structure? What are their measures to reduce or avoid according to Indian Standard guidelines.
6. What are the provisions for design of durable concrete structures according to Indian standard code? Explain in detail.
7.
 - a) "Subsidence of foundations causes construction failures." How?
 - b) Write a short note on the "Poor Workmanship."
8. Define construction failures. What can be the causes of failure? Can we remove these causes? Give your views.