

Roll No. ....

**23428**

**M. Tech. 2nd Sem. Civil Engg  
(Specialisation in Structural Des  
Examination – December, 20**

**CONSTRUCTION FAILURES**

**Paper : MTSD-210**

*Time : Three Hours ]*

*[ Maximum M*

*Before answering the questions, candidates should ensure that the correct and complete question paper has been supplied. Any complaint in this regard, will be entertained after examination.*

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

1. What are the main causes of construction

3. What do you understand by the carbonation of concrete ? How it is tested ? How does the damage occur ?
4. What are the codal provisions for the design of crack concrete structures as per Indian Standards ? How the sulphate attack be minimized ?
5. Explain the measures adopted in order to reduce and avoid the cracks in concrete structures.
6. What are the reasons for the cracking of concrete structure ? Explain with the help of neat sketches. <http://www.HaryanaPapers.com>
7. What are the measures which help to reduce the frequency and severity of construction failure ?
8. What are the professional and legal responsibilities to be adopted during the construction ?