

EC-193

UITians

B.E. IV Sem. (CGPA) Civil Engineering
Exam.-2012-13

CONCRETE TECHNOLOGY

Paper : CE-401

Time Allowed : Three Hours

Maximum Marks : 60

Note: Attempt all questions.

Unit-I

Q.1. Write brief note on ingredients of concrete. → ② 12

OR

What are various tests applied on aggregate used for concrete? Explain any one test in detail. ↘ 88 12

Unit-II

Q.2. What is workability of concrete? What are the factors which effect the workability → 146 12

OR

Explain in detail the rheology of concrete. → 165 12

Unit-III

Q.3. List the factors effective the mix design. Describe any three in detail. ↘ 12

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OR

Give a detailed note on computer aided design of concrete mix. 12

Unit-IV

Q.4. Write a detailed note on curing of concrete. Describe its purpose, period required & methods adopted. 12

OR

What do you understand by Non-Destructive Testing? Describe any one in detail. 12

Unit-V

Q.5. Explain the following:

i) Ready Mix concrete.

ii) Polymer concrete.

OR

Explain the following:

i) Ferrocement.

ii) Prestressed concrete.

