

EH-192

UITians

B.E. IV Semester (CGPA) Civil  
Engineering Exam. 2014

CONCRETE TECHNOLOGY

Paper : CE-401

Time Allowed : Three Hours

Maximum Marks : 60

Note: Attempt all questions.

All questions carry equal marks.

UNIT - I

Q.1. Describe various types of cements with their specific uses. Pc

12

OR

Write brief note on various test applied on ingredients of concrete.

12

UNIT - II

Q.2. Write detail notes on the following:

12

a) Rheology of concrete

→ 165

b) Creep of concrete

→ 198

OR

Describe the properties of fresh and hardened concrete in detail.

12

↓  
14 EH-192

↓  
179

P.T.O.



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UNIT - III

Q.3. What do you understand by design of plastic concrete mix?  
Describe the factors influencing mix design. 12

OR

Explain in detail the I.S. code method of mix design. 12

UNIT - IV

Q.4. Write about various batching equipments used for production and concreting of concrete. 12

OR

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

UNIT - V

Q.5. What is ferrocement concrete? What are its uses, advantages and disadvantages. 12

OR

Explain the following: 12

i) Ready mix concrete → 361

ii) Heat Resistant concrete → 548

iii) Rubble concrete

