

Roll No.

24199

B.Tech 4th Semester (Civil Engineering)

Examination – May, 2013

CONSTRUCTION & CONCRETE TECHNOLOGY

Paper : CE-210-F

Time : Three hours]

[Maximum Marks : 100

Before answering the question, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard, will be entertained after examination.

Note : Attempt any *five* questions. Q. No. 1 is *compulsory*. Attempt at least *one* question from each Unit.

1. (a) Describe construction of Dams. 5 x 4= 20
(b) Describe construction of Bridges
(c) Describe ACI Mix design
(d) Describe British Mix design method.

UNIT – I

2. Describe with detail USBR Method with Proper specification. 20

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3. Describe basic construction & principle of concrete mix design. 20

UNIT – II

4. (a) Describe elements of Network 10
(b) Describe network Analysis 10
5. (a) Describe concrete Technology 10
(b) Describe testing of concrete mix 10

UNIT – III

6. (a) Describe properties of fresh & hardened concrete. 10
(b) Describe variability of concrete slights. 10
7. (a) Discuss prestressed concrete. 10
(b) Discuss Milestone charts 10

UNIT – IV

8. Explain construction of working of any *two* types of construction equipment. 20
9. Write short notes on :- 20
(a) CPM
(b) IS guidelines.