

B.Tech. Civil (Construction Management)**Term-End Examination****June, 2012****ET-522 : CONCRETE TECHNOLOGY &
CONSTRUCTION TECHNIQUES***Time : 3 Hours**Maximum Marks : 70*

Note : Answer any five questions. All question carry equal marks. Support your answer with neat sketches wherever necessary. The answers shall be in your own language.

1. (a) What is Hydration of cement ? Explain in detail. 7
- (b) What are the different tests on aggregates ? Explain any one of them. 7
2. (a) What is super plasticizer ? Classify them. What are their advantages ? 7
- (b) Explain Slump Test for concrete. Write its significance. 7
3. (a) Discuss different methods of mixing of concrete. 7
- (b) What is curing of concrete ? What are the different methods of curing ? 7

4. (a) What is sulphate attack ? How can you control it ? 7
(b) How can you control the corrosion of reinforcement in concrete ? 7
5. (a) What is Cold Weather Concreting ? Explain. 7
(b) What is high density concrete ? Explain. 7
6. (a) What are the different methods of Ground improvement ? 7
(b) Explain different types of Form Work. 7
7. Write short notes on the following : **4x3½=14**
(a) Bougue's Compounds.
(b) Bleeding of concrete.
(c) NDT
(d) Diaphragm Walls.
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