

Total No. of printed pages = 2

CT-502/CT/5th Sem/2013/M

CONCRETE TECHNOLOGY

Full Marks – 70

Pass Marks – 28

Time – Three hours

The figures in the margin indicate full marks for the questions.

1. (a) What is an admixture? What is the importance of admixture in concrete? 6
- (b) What is meant by rheology of concrete? Discuss the factors affecting rheological properties. 8
2. (a) Mention briefly about ingredient of cement and their importance. 7
- (b) Discuss the physical properties of cement. 7
3. Define workability. What are the various factors affecting the workability? 14

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4. (a) Explain the classification of aggregates. 7
(b) What is meant by quality control in concrete ?
7
5. Define concrete. Discuss briefly the properties of
concrete. 14