

B.Tech. Civil (Construction Management)

Term-End Examination

00595

June, 2017

**ET-522 : CONCRETE TECHNOLOGY AND
CONSTRUCTION TECHNIQUES**

Time : 3 hours

Maximum Marks : 70

Note : Answer any **five** questions. All questions carry equal marks. Support your answers with neat sketches wherever necessary.

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1. (a) What are the types of cement ? Write about masonry cement. 7
 - (b) Write about the classification of aggregates. 7
 2. (a) What are the types of admixtures ? 7
 - (b) Write about bleeding of concrete. 7
 3. (a) What are the methods of curing of concrete ? 7
 - (b) What is permeability of concrete ? 7
 4. (a) Write about the IS method of concrete mix design. 7
 - (b) What is fibre reinforced concrete ? Explain clearly. 7

5. (a) Write about hot weather concreting. 7
- (b) How can ground water be removed by grouting? 7
6. (a) Explain pile load test. 7
- (b) What are the types of compaction equipment? 7
7. (a) Write about vacuum dewatering system for concrete. 7
- (b) Write about precast concrete construction. 7
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