

**B.Tech. Civil (Construction Management)/
B.Tech. Civil (Water Resources Engineering) /
BTCLEVI**

Term-End Examination

December, 2014

00559

ET-204(B) : ENGINEERING MATERIALS

Time : 3 hours

Maximum Marks : 70

Note : Attempt any **five** questions. All questions carry equal marks.

1. (a) Give the classification of lime. What are the uses of lime in construction work ? 7
- (b) Explain the properties of the following : 7
 - (i) OPC
 - (ii) PPC
2. (a) What are the types of cut back bitumen ? Discuss. 7
- (b) What are the tests carried out on bitumen ? Explain briefly. 7
3. (a) What is a polymer mortar ? Explain its properties and applications. 7
- (b) What is a tile-adhesive ? Write its properties and applications. 7

4. (a) What is foam concrete ? Explain the types and properties of foam concrete. 7
- (b) What are curing compounds ? Explain the advantages of curing compounds. 7
5. (a) Explain the following : 7
- (i) Granolithic flooring
- (ii) Nitro flooring
- (b) What is an admixture ? What are the functions of admixtures ? 7
6. (a) Describe lime concrete terracing. 7
- (b) Explain the following : 7
- (i) Stucco plaster
- (ii) Sand faced finish
7. (a) Explain the following in brief : 7
- (i) PVC flooring
- (ii) Cork flooring
- (b) Explain any five types of paints. 7
8. Write short notes on the following : $4 \times 3 \frac{1}{2} = 14$
- (a) Plywood
- (b) Ceiling Rose
- (c) Superplasticizer
- (d) Circuit Breaker
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