

B.Tech. Civil (Construction Management)

Term-End Examination

December, 2014

00605

ET-581(C) : BUILDING SERVICES

Time : 3 hours

Maximum Marks : 70

Note : Answer any **five** questions. All questions carry equal marks. Give neat sketches wherever required.

1. (a) What are the methods of population forecasting ? Explain any one of them. 7
- (b) Explain Coagulation. 7
2. (a) Explain the construction of Manholes. 7
- (b) Explain the following : 7
 - (i) BOD
 - (ii) COD
3. (a) Explain the design of Earthing system provided in building. 7
- (b) Explain different methods of wiring in buildings. 7

4. (a) Explain different types of staircases as used in buildings. 7
- (b) Describe “Escalator” with the help of a neat diagram. 7
5. (a) How can you design a lightning protection system ? Discuss. 7
- (b) Explain different methods of Earthing. 7
6. (a) Explain Psychrometry. 7
- (b) Explain the following : 7
- (i) Natural ventilation
- (ii) Mechanical ventilation
7. (a) Write about Termite control in buildings. 7
- (b) What are the causes of corrosion in buildings ? 7
8. (a) Discuss the process of dehumidification of moist air. 7
- (b) What are the fire safety measures taken for tall buildings ? Discuss. 7
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