

B.Tech. Civil (Construction Management)

Term-End Examination

June, 2017

00545

ET-581(C) : BUILDING SERVICES

Time : 3 hours

Maximum Marks : 70

Note : Attempt any **five** questions. All questions carry equal marks. Draw sketches neatly wherever required.

1. (a) Discuss the method of removal of iron from water during its treatment.
(b) Describe the procedure for maintaining the ground level of water tanks. $2 \times 7 = 14$

2. (a) Write a short note on sludge.
(b) Describe in brief the procedure of testing sewer. $2 \times 7 = 14$

3. (a) What is a UPS ? Discuss in brief the various types of UPS.
(b) Describe the different safety measures usually adopted during electrical installation. $2 \times 7 = 14$

4. (a) Discuss the different types of stairs used in concrete.
- (b) What is a lightning conductor ? What are its functions ? Explain its working briefly. $2 \times 7 = 14$
5. (a) What is air-conditioning of buildings ? Describe in brief its necessity.
- (b) Write a short note on natural ventilation. $2 \times 7 = 14$
6. (a) Describe in brief the methods of termite proofing.
- (b) What is waterproofing ? Describe in brief the different methods adopted in waterproofing. $2 \times 7 = 14$
7. (a) What are fire tests ? Describe them in brief.
- (b) Write a short note on Physics of Fire. $2 \times 7 = 14$
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