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Total No. of Questions : 08

B.Arch. (Sem.-4)
BUILDING SERVICES-II
Subject Code : AR-234
M.Code : 45033

Time : 3 Hrs.

Max. Marks : 50

INSTRUCTION TO CANDIDATES :

1. Attempt any FIVE questions in all with atleast ONE question from EACH UNIT.
2. All question carry EQUAL marks.

UNIT-I

- 1) Explain the various types of sewage and storm water disposal system for a town with population of one million. (10)
- 2) Explain the sewage disposal system of a hospital building. How it is different from that of a residential multistoried apartment? Explain. (10)
- 3) What is the importance of segregation of waste at the point of collection of medical waste in hospitals? Explain in detail. (10)

UNIT-II

- 4) Explain various stages of treatment of water before its distribution at city level for human consumption. (10)
- 5) Explain the water distribution system of city of Chandigarh. (10)
- 6) Explain the water supply system of fifteen storey high apartment building. Support your answer with various appurtenances in the distribution system and schematic section. (10)

UNIT-III

- 7) Explain the following :
 - (a) Task light for residential spaces. (5)
 - (b) Illumination required for commercial and education buildings. (5)
- 8) (a) Explain in detail the calculation of sky component for the calculation of daylight factor. (5)
 - (b) Explain the following :
 - i) Luminance flux (2.5)
 - ii) Illuminance (2.5)

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.