

BARCH
(SEM VIII) THEORY EXAMINATION 2018-19
ADVANCED SERVICES

Time: 3 Hours**Total Marks: 50****Notes: Assume any Missing Data.****SECTION – A**

- 1 Explain the following questions in not more than 30-35 words each: (10x1=10)**
- a) List the objectives of IBMS. (1)
 - b) Server room (1)
 - c) LPG (1)
 - d) Automated parking (1)
 - e) Biogas (1)
 - f) Desired air speed for mechanical ventilation (1)
 - g) Pressure tower (1)
 - h) Control room (1)
 - i) Landfill (1)
 - j) Recycle (1)

SECTION – B

- 2 Attempt any five parts of the following question. Word limit for answers is approximately 250 words each. (5x5=25)**
- a) Discuss all types of control rooms required in Hotels as per NBC and explain Fire Control room with the help of neat sketches (5)
 - b) Differentiate between ETP and STP. (5)
 - c) Explain multi level stacked parking with the help of neat sketches. (5)
 - d) Discuss the working of Waste water treatment plant with the help of neat sketches. (5)
 - e) Discuss BMS and its advantages and disadvantages. (5)
 - f) Discuss the process of setting up a Gas bank in a Public building. (5)
 - g) Explain the traditional system of mechanical ventilation. (5)
 - h) Discuss the various components of IBMS and explain the process of monitoring the security systems in a high rise building. (5)

SECTION – C

- Attempt any two questions from this section. (2x7.5=15)**
- 3** Discuss the process of waste collection in any neighbourhood, their treatment and disposal systems. (7.5)
 - 4** Compare the advantages of Automated Parking Systems and suggest any one type for a large Shopping Complex. (7.5)
 - 5** Describe the requirements of Mechanical ventilation in public buildings and explain any one type in detail. (7.5)