Printed Pages: 01 **Subject Code:NAR806**

Paper Id: **181270** **Roll No:** | | | | | | | | | | |

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)**

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