

PARUL UNIVERSITY
FACULTY OF ARCHITECTURE & PLANNING
B.Arch./ B.ID Winter 2019-20 Examination

Semester: 6**Subject Code: 01101353****Subject Name: Building Services and Equipment's - II****Date: 19/11/2019****Time: 02:00pm to 04:00pm****Total Marks: 50****Instructions:**

1. All questions are compulsory.
2. Figures to the right indicate full marks.
3. Make suitable assumptions whenever required.
4. Draw suitable sketches whenever required.

Q.1 Describe the Telecommunication System for Highrise Buildings. Explain the use of EPABX System, its advantages and disadvantages. **(10)**

Q.2 Write Short Note and sketch wherever required: (Attempt any five out of six) (20)

1) Define the following:

- a) Compressor
- b) AFFF
- c) Condenser
- d) Antifreezes

2) Explain in brief Distribution Boards and its types in electrical services.

3) What is AHU? What are the types of AHU's in HVAC works?

4) What are MEP Services. Write a short note on various MEP Service for buildings.

5) Describe the types of Chiller System, its advantages and disadvantages in HVAC Systems.

6) Explain Air Condition and its Classification in HVAC works.

Q.3 Define/ Explain the terms: (Attempt any five out of six) (10)

- a) HVAC System
- b) Optical Fiber Cable
- c) Building Automation and Control Systems
- d) Sound System
- e) Circuit Breaker
- f) Fuse

Q.4 Write descriptive answers for the following: (Attempt any two out of three) (10)

- 1) Explain Classification of Fire.
- 2) Enlist & Explain the various components of HVAC System.
- 3) Elaborate the types of wiring systems: Concealed and Open.
