

GUJARAT TECHNOLOGICAL UNIVERSITY
D.ARCH-II – SEMESTER -III– • EXAMINATION – SUMMER-2017

Subject Code: 3336206**Date: 05 /05 /2017****Subject Name: Building Services****Time: 02:30 PM TO 04:30 PM****Total Marks: 50****Instructions:**

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

- Q.1** Write short notes on the following: (Any 2) **10**
1. Fire fighting systems
 2. Types of Fires
 3. Types of Wiring
- Q.2** Answer the following.(Any 5) **10**
1. What is Evaporator?
 2. What do you understand by “ Dumb Waiter”?
 3. Mention the components of Lift.
 4. Sketch Triangle of fire.
 5. What is a condensor?
 6. What is Air Circuit breaker?
- Q.3** Write short note on : (Any 2) **10**
1. Non-combustible materials
 2. Air-conditioning System.
 3. Refrigeration process.
- Q.4** Explain the types of Air-conditions with required sketches. **10**
- OR
- Q.4** Explain possible fire risk in office building. **10**
- Q.5** Draw an Electrical layout of a bed-room 4.5mX3.5m alongwith its attached toilet measuring 1.5mX2m. Indicate all possible fixtures and fittings. **10**
- OR
- Q.5** Explain the working of a lift with neat and labeled section and plan. **10**
