

Seat No.: _____

Enrolment No. _____

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.

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| Q.1 | Write short notes on the following: (Any 2)
1. Fire fighting systems
2. Types of Fires
3. Types of Wiring | 10 |
| Q.2 | Answer the following.(Any 5)
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? | 10 |
| Q.3 | Write short note on : (Any 2)
1. Non-combustible materials
2. Air-conditioning System.
3. Refrigeration process. | 10 |
| 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 |
