

GUJARAT TECHNOLOGICAL UNIVERSITY

BID- SEMESTER-V EXAMINATION – WINTER 2024

Subject Code:2X55102

Date:19-11-2024

Subject Name: Interior Services-III

Time:10:30 AM TO 12:30 PM

Total Marks:50

Instructions:

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.
4. Simple and non-programmable scientific calculators are allowed.

- Q.1**
- (a) Explain : Building Management systems (BMS) **03**
- (b) Explain in Brief: Role of Home Automation in interiors. **04**
- (c) Explain about automation in modular kitchen, draw sketches to support your answer **07**

- Q.2**
- (a) Explain: CCTV, DVR and its Functions. **03**
- (b) Explain in Brief: Access control systems **04**
- (c) Explain major advantages and disadvantages of Home automation **07**

OR

- (c) What is the acceptable indoor noise level for an Intensive Care Unit of a hospital or Court Room? Identify the sources of outdoor as well as indoor noise. Suggest various precautions, which you shall take while designing it. **07**

- Q.3**
- (a) What are lifts? **03**
- (b) Explain: Types of Vertical circulation **04**
- (c) Explain with neat sketches and details: Escalators **07**

OR

- Q.3**
- (a) Explain: LV and ELV **03**
- (b) Discuss about the risks involved in home automation. **04**
- (c) Explain with neat sketches and details: Capsule lifts **07**

- Q.4**
- (a) A class room, having an octagonal plan with a pyramidal roof above, is proposed to be constructed in a primary school. It is expected to have capacity of 30 toddlers, making noise. You being the consultant are expected to give your recommendations, In detail, for acoustical design of the class room. Support your answer with neat Sketches. **08**

OR

- (a) Discuss about vertical circulation modes generally used in malls and multiplexes. Explain with sketches any one mode of vertical circulation. **08**
