

# P P SAVANI UNIVERSITY

Fifth Semester of B. Arch Examination

December 2022

SAAR3120 Building Services-I

20.12.2022, Tuesday

Time: 01:00 p.m. To 03:00 p.m.

Maximum Marks: 40

## Instructions:

1. Write main answer sheet no. in your block report under main supplementary.
2. Read instructions carefully before starting.
3. All construction lines must be clearly visible for drawing based answers.
4. Use proper intensity of lines in drawings. Neatness of drawing and lettering is important.
5. Assume suitable data where necessary.
6. Data given and assumed, in questions must be mentioned in the answers.

<b>Q - 1</b>	Answer the Following: (MCQ/Short Question/Fill in the Blanks)	<b>[10]</b>	<b>CO</b>	<b>BTL</b>
(i)	What is the function of lift pit?		01	01
(ii)	Write full form of CCTV.		01	01
(iii)	What is DDC?		01	01
(iv)	What is electricity?		01	01
(v)	What is AHU?		01	01
(vi)	What is Lumen?		01	01
(vii)	Write full form of RLCB?		01	01
(viii)	Do Hydraulic elevator require lift pit?		01	01
(ix)	What is BAS?		01	01
(x)	What is Escalator?		01	01
<b>Q - 2</b>	Draw typical section for traction elevator for GF +4 story building.	<b>[5]</b>	<b>03</b>	<b>01</b>
<b>Q - 2</b>	Explain types of elevators on the basis of technology.	<b>[5]</b>	<b>02</b>	<b>04</b>
<b>Q - 3</b>	Explain how Air-conditioning system works. OR	<b>[10]</b>	<b>02</b>	<b>04</b>
<b>Q - 3</b>	Explain safety devices in electrical layout.		<b>02</b>	<b>04</b>
<b>Q - 4</b>	Explain Package air-conditioning system. OR	<b>[10]</b>	<b>02</b>	<b>04</b>
<b>Q - 4</b>	Draw typical section of escalator showing salient features.		<b>03</b>	<b>01</b>

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CO : Course Outcome Number

BTL : Blooms Taxonomy Level

## Level of Bloom's Revised Taxonomy in Assessment

1: Remember	2: Understand	3: Apply
4: Analyze	5: Evaluate	6: Create