



**POORNIMA UNIVERSITY, JAIPUR.**  
**MID SEMESTER EXAMINATION 2020-21 (ODD Semester)**

School : School of Planning & Architecture  
Course : III Year V SEM – B. Arch.  
Subject Name : MEP Services -1  
Subject Code : BAR05102

Max. Time: 1.5 hrs.

Max. Marks: 12

**NOTE:-** Attempt four questions. There is internal choice in Q. 1 & 2, Q. 3 & 4, Q. 5 & 6 & Q. 7 & 8.

**Sec-A (CO 3) (Max. Marks-6)**

<b>Q.1</b>	What is electrical power distribution system? Explain all steps involved from generation to supply of electricity at consumer end	<b>(3)</b>
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**OR**

<b>Q.2</b>	Draw and explain a schematic diagram for Electrical Layout in a Residential Building	<b>(3)</b>
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<b>Q.3</b>	Explain single phase and 3phase wiring with the help of schematic diagrams .	<b>(3)</b>
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**OR**

<b>Q.4</b>	Write short notes on <b>any one</b> :- <ul style="list-style-type: none"><li>• Earthing</li><li>• Conduit wiring system</li></ul>	<b>(3)</b>
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**Sec-B (CO 4) (Max. Marks-6)**

<b>Q.5</b>	Explain briefly the factors responsible for preliminary lift planning in a building. Support your answer with norms followed in lift planning	<b>(3)</b>
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**OR**

<b>Q.6</b>	Write short notes on <b>any one</b> of the following <ul style="list-style-type: none"><li>• Sizes of Lifts</li><li>• Lift speed</li></ul>	<b>(3)</b>
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<b>Q.7</b>	Draw, Label and explain a typical section of a lift with machine room	<b>(3)</b>
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**OR**

<b>Q.8</b>	Describe the different types of hoisting mechanism used in elevators	<b>(3)</b>
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