



MANIPAL ACADEMY OF HIGHER EDUCATION**FOURTH SEMESTER B. DES (ID)/B. A. (ID) DEGREE EXAMINATION – APRIL 2018****SUBJECT: BID 208 – BUILDING SERVICES - II**

Wednesday, April 18, 2018

Time: 10:00 – 13:00 Hrs.

Max. Marks: 50

-  **Answer any FIVE of the following.**
-  **Illustrate with neat sketches and examples wherever required.**

1. Explain- generation transmission and distribution of electrical energy. Sketch the power distribution system from the power plant to individual housing unit.

(6+4 = 10 marks)

- 2A. Enlist the advantages and disadvantages of internet and wifi in the modern era as the communication medium.

- 2B. Describe: Casing - Capping method of wiring with sketches.

(5+5 = 10 marks)

- 3A. Explain by means of neat sketches the major components of an electric elevator used in a multi-storeyed building.

- 3B. Enlist the safety devices used in elevators.

(8+2 = 10 marks)

4. Explain with neat sketches the behavior of the sound in an enclosed space.

(6+4 = 10 marks)

5. **Explain the following terms with the sketch:**

- 5A. Ambient Lighting

- 5B. Accent Lighting

- 5C. Task Lighting

- 5D. Decorative Lighting

(2½ marks × 4 = 10 marks)

6. With a neat sketch give a conceptual lighting design for a living room in a residence. Give proper explanation to your design. (Assume suitable data)

(8+2 = 10 marks)

