Reg. No.

MANIPAL UNIVERSITY

FOURTH SEMESTER B.A. (ID)/B.DES (ID) DEGREE EXAMINATION – MAY 2016 SUBJECT: BID 208 – BUILDING SERVICES II

(2014 SCHEME)

Monday, May 23, 2016

Victoria.			
Time:	14.00	-17.00	Hrs

Max. Marks: 50

- Answer any FIVE of the following.
- ℤ Illustrate with neat sketches and examples wherever required.
- 1. Describe and give comparative analysis for:
- 1A. Underground system of electrical power
- 1B. Over head system of electrical power

(5+5 = 10 marks)

- 2. Explain in brief the following system of communication.
 - a) PBX
- b) Fascimile
- c) Telephone
- d) PA System

 $(2\frac{1}{2} \text{ marks} \times 4 = 10 \text{ marks})$

- 3. Explain with examples the importance of the following in building design:
- 3A. Natural daylight
- 3B. Artificial lighting

(5+5 = 10 marks)

4. Enlist and explain the different types of elevators available in the market.

(2+8=10 marks)

- 5. Explain the terms:
- 5A. Reverberation
- 5B. Echo
- 5C. Amplitude
- 5D. Frequency
- 5E. Wavelength

 $(2 \text{ marks} \times 5 = 10 \text{ marks})$

- 6. Write short notes on:
- 6A. Advantages of escalators over other vertical circulation systems
- 6B. Accent lighting with suitable examples

(5+5 = 10 marks)

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