

Total No. of Questions : 4]

SEAT No. :

P269

[Total No. of Pages : 2

[5257]-4003

S.Y. B.Arch. (Semester - IV)

BUILDING SERVICE - II

(2015 Pattern)

Time : 3 Hours]

[Max. Marks : 70

Instructions to the candidates:

- 1) *Solve two sections in separate answer books.*
- 2) *Figures to right indicate marks.*
- 3) *Assume suitable data wherever necessary.*
- 4) *All questions are compulsory.*

SECTION - I

Q1) Explain the flow of electricity from service station to particular tenement with involved elements with necessary sketches. **[15]**

OR

Explain 'Lumen method'; explain different factors considered in 'Lumen method' with help of its formula.

Q2) Write short notes with neat sketches wherever necessary (Any 4) : **[20]**

- a) Incandescent lamp.
- b) Accent lighting.
- c) Daylight factor.
- d) Vermi composting.
- e) 3R concept in solid waste disposal.
- f) Luminance & Illuminance.

P.T.O.

SECTION - II

Q3) Explain the different types of wiring systems used in building electrification. **[15]**

OR

What is earthing? Explain types of earthing with neat sketches.

Q4) Write short notes with neat sketches wherever necessary (Any 4) : **[20]**

- a) Miniature Circuit Breaker (MCB).
- b) Distribution Board.
- c) Bus bar.
- d) Fuse.
- e) Rain water harvesting.
- f) Household Solar Lighting System.

