

Total No. of Questions : 4]

SEAT No. :

P1335

[Total No. of Pages : 2

[5157] -3003
S.Y. B. Arch.
BUILDING SERVICES -I
(2015 Pattern)

Time : 3 Hours]

[Maximum Marks : 70

Instructions to the candidates:

- 1) All questions are compulsory.*
- 2) Figures to the right indicate full marks.*
- 3) Assume suitable data wherever necessary.*
- 4) Answers to the two sections should be written on separate answer books.*

SECTION -I

Q1) Explain in detail, the direct and indirect method of hot water supply. **[15]**

OR

Explain any 3 types of traps in building sanitation system with sketches.

Q2) Write short notes on any four with sketches wherever necessary. **[20]**

- a) Anti Siphonage pipe
- b) Solar water heater
- c) Inspection chamber
- d) Single stack system
- e) Indian water closet
- f) Biogas plant

SECTION -II

Q3) Sketch and explain the working of any three sanitary fittings. **[15]**

OR

Explain the working of a septic tank with neat labeled sketches in reference to its salient parts.

P.T.O

Q4) Write short notes on any four with sketches wherever necessary.

[20]

- a) Wash hand basin
- b) Man hole
- c) Disconnecting trap
- d) Types of storm water drainage system
- e) Double stack system
- f) Floor trap

