

Total No. of Questions : 4]

P2919

SEAT No. :

[Total No. of Pages : 2

[5062]-3003

S.Y.B. Arch.

BUILDING SERVICES - I

(2015 Pattern)

Time : 3 Hours]

[Max. Marks : 70

Instructions to the candidates:

- 1) *All the questions are compulsory.*
- 2) *Draw neat diagrams wherever necessary.*
- 3) *Assume suitable data wherever necessary and appropriate.*
- 4) *Answer to the two sections should be written on separate answer books.*
- 5) *Figures to the right side indicate full marks.*

SECTION - I

Q1) What are the functions of valves? Explain with neat sketches any two types of valves used in water supply system. **[15]**

OR

Explain with neat sketches direct and indirect systems of hot water supply. **[15]**

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

- a) Bottle trap
- b) Inspection chambers
- c) P and S traps
- d) Biogas plant
- e) Anti siphonage pipe
- f) Gravity system

SECTION - II

Q3) What are the functions of traps? Draw and explain any two types of traps used in sanitation system. **[15]**

P.T.O.

OR

What are the different materials used for drainage pipes. Mention their advantages and disadvantages show their joinery details. [15]

Q4) Write short notes on any four with sketches wherever necessary. [20]

- a) Specials used in water supply
- b) Flushing cistern
- c) Types of pipes and their jointing used in water supply
- d) Calorifier
- e) Manhole
- f) Ventilation of drains

