

Version No.			

ROLL NUMBER						



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1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
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9	9	9	9

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1	1	1	1	1	1	1
2	2	2	2	2	2	2
3	3	3	3	3	3	3
4	4	4	4	4	4	4
5	5	5	5	5	5	5
6	6	6	6	6	6	6
7	7	7	7	7	7	7
8	8	8	8	8	8	8
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Answer Sheet No. _____

Sign. of Candidate _____

Sign. of Invigilator _____

Plumbing and Solar Water heating System–II (SSC-I)

SECTION – A (Marks 06)

Time allowed: 10 Minutes

Section – A is compulsory. All parts of this section are to be answered on this page and handed over to the Centre Superintendent. Deleting/overwriting is not allowed. **Do not use lead pencil.**

Q.1 Fill the relevant bubble for each part. All parts carry one mark.

- (1) Horizontal pipes should be laid for sewage flow at gradient of:
- A. 1 : 24 B. 1 : 48
 C. 1 : 72 D. 1 : 96
- (2) Which of the following instruments is used to draw horizontal lines:
- A. Set square B. T-square
 C. Protector D. Scale
- (3) Which of the following tools is used to measure the internal and external diameter:
- A. Internal calliper B. Screw gauge
 C. Vernier calliper D. Mercer gauge
- (4) Minimum height of geyser should be:
- A. 5 ft B. 6 ft
 C. 7 ft D. 8 ft
- (5) Safety valve is required for installation of:
- A. Sink B. Geyser
 C. Urinal D. Wash basin
- (6) The gully traps are used for:
- A. Sewage B. Sullage
 C. Fresh water D. Hot water



Federal Board SSC-I Examination
Plumbing and Solar Water heating System–II
(Curriculum 2021)

Time allowed: 2.00 hours

Total Marks: 24

Note: Answer any seven parts from Section ‘B’ and attempt any two questions from Section ‘C’ on the separately provided answer book. Write your answers neatly and legibly.

SECTION – B (Marks 14)

Q.2 Attempt any **SEVEN** parts from the following. All parts carry equal marks. Be brief and to the point. (7 × 2 = 14)

- i. Enlist the types of plastic pipes.
- ii. Why are PPRC pipes used now a days instead of GI pipes?
- iii. Define first aid.
- iv. Draw symbol of water closet and basic.
- v. Write down cutting tools for plastic pipes.
- vi. State the advantages of Tree distribution system.
- vii. How are PE pipes jointed?
- viii. Enlist material required for installation of wall type urinal.
- ix. Enlist accessories of wash hand basin.
- x. What are job portals?

SECTION – C (Marks 10)

Note: Attempt any **TWO** questions. All questions carry equal marks. (2×5 = 10)

Q.3 Explain the cutting and deburring procedure.

Q.4 How geysers are installed?

Q.5 Write down the advantages and disadvantages of PPRC, ABS and HDPE pipes.

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