

Version No.			

ROLL NUMBER						



0	0	0	0
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8
9	9	9	9

0	0	0	0	0	0	0
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
9	9	9	9	9	9	9

Answer Sheet No. \_\_\_\_\_

Sign. of Candidate \_\_\_\_\_

Sign. of Invigilator \_\_\_\_\_

## Plumbing and Solar Water Heating System–I (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) The flow of water in sanitary pipe should be:
 

A. Pressure flow	<input type="radio"/>	B. Forced flow	<input type="radio"/>
C. Gravity flow	<input type="radio"/>	D. Combined flow	<input type="radio"/>
- (2) Which of the following is a specific cutting tool for copper pipe?
 

A. Pipe Cutter	<input type="radio"/>	B. Cross Cut Saw	<input type="radio"/>
C. Tubing Cutter	<input type="radio"/>	D. Hacksaw	<input type="radio"/>
- (3) Making threads with the help of dies is called:
 

A. Tapping	<input type="radio"/>	B. Chasing	<input type="radio"/>
C. Threading	<input type="radio"/>	D. Reaming	<input type="radio"/>
- (4) Which vice is used for holding round sections of metals, tubes and pipes?
 

A. Pipe vice	<input type="radio"/>	B. Bench vice	<input type="radio"/>
C. Pin vice	<input type="radio"/>	D. Hand vice	<input type="radio"/>
- (5) Which of the following sanitary appliances is used in kitchen?
 

A. Bath tub	<input type="radio"/>	B. Sink	<input type="radio"/>
C. Water closet	<input type="radio"/>	D. Shower	<input type="radio"/>
- (6) The reamer is used for:
 

A. Expanding drilled hole	<input type="radio"/>
B. Deburring	<input type="radio"/>
C. Give good finish to hole	<input type="radio"/>
D. Rotary cutting	<input type="radio"/>



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

Time allowed: 2.00 hours

Total Marks: 24

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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.

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**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) Write the difference between fitting and fixture.
- (ii) Enlist any four plumbing appliances.
- (iii) What is a fire triangle?
- (iv) Enlist marking tools.
- (v) Enlist Types of files.
- (vi) Why are PPRC pipe cutting tools different from those of G.I. pipes?
- (vii) Differentiate between male and female threading.
- (viii) Give the use of shell reamer.
- (ix) Differentiate between chasing and threading.
- (x) Define communication skills.

**SECTION – C (Marks 10)**

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

**Q.3** Explain the classification of plumbing systems

**Q.4** Explain different types of wrenches along with their use.

**Q.5** Explain procedure of cutting different pipes.

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