

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 _____

Basics of HVACR 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) Dry powder is a type of:

(a) Fire Enhancer <input type="radio"/>	(c) Fire Expander <input type="radio"/>
(b) Fire Extinguisher <input type="radio"/>	(d) None <input type="radio"/>
- 2) Lines represents an invisible edge on an object is called:

(a) Dashed Thin <input type="radio"/>	(c) Continuous Thin <input type="radio"/>
(b) Chain Thin <input type="radio"/>	(d) Continuous Thin Zigzag <input type="radio"/>
- 3) Drawing title is written in which of the following size:

(a) 6 mm <input type="radio"/>	(c) 7 mm <input type="radio"/>
(b) 8 mm <input type="radio"/>	(d) 9 mm <input type="radio"/>
- 4) Line that is used to show the areas that have been cut by the cutting plane is:

(a) Hidden Line <input type="radio"/>	(c) Visible Line <input type="radio"/>
(b) Section Line <input type="radio"/>	(d) Center Line <input type="radio"/>
- 5) Oxyacetylene welding is a type of:

(a) TIG Welding <input type="radio"/>	(c) MIG Welding <input type="radio"/>
(b) Electric Arc Welding <input type="radio"/>	(d) Gas Welding <input type="radio"/>
- 6) The arrowheads are used to terminate which of the following type of lines:

(a) Break <input type="radio"/>	(c) Dimension <input type="radio"/>
(b) Phantom <input type="radio"/>	(d) Short Break line <input type="radio"/>



Federal Board SSC-I Examination Basics of HVACR

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 x 2 = 14)**

- i. What is a hazard?
- ii. What is a risk?
- iii. Define PPE's.
- iv. Define Fire extinguisher.
- v. Write down uses of technical drawing.
- vi. Define quadrilateral.
- vii. Define measuring instruments.
- viii. Define welding.
- ix. Define soldering.
- x. Define brazing.

SECTION – C (Marks 10)

Note: Attempt any **TWO** questions. All questions carry equal marks.

(2 x 5 = 10)

Q.3 Explain health and safety precautions, regulations/guidelines.

Q.4 Write down the procedure to draw the Front, side, top view Isometric and pictorial drawings of simple shape and models.

Q.5 Explain Soldering and brazing process.