

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 _____

Applied HVACR SSC–II
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) Ducted air conditioning system is type of which of the following air conditioning system:

(a) Unitary <input type="radio"/>	(c) Central <input type="radio"/>
(b) Both (a) & (c) <input type="radio"/>	(d) Split AC <input type="radio"/>
- 2) The average air conditioner can be broken down into:

(a) One main component <input type="radio"/>	(c) Three main components <input type="radio"/>
(b) Two main components <input type="radio"/>	(d) Four main components <input type="radio"/>
- 3) The work of keeping something in proper condition is known as a:

(a) Maintenance <input type="radio"/>	(c) Fabrication <input type="radio"/>
(b) Commissioning <input type="radio"/>	(d) Operation <input type="radio"/>
- 4) Maintenance that involves performance monitoring and equipment condition monitoring during regular operations is known as:

(a) Preventive Maintenance <input type="radio"/>	(c) Corrective Maintenance <input type="radio"/>
(b) Predictive Maintenance <input type="radio"/>	(d) Preemptive Maintenance <input type="radio"/>
- 5) A machine that cools a room, building, or vehicle is known as:

(a) Refrigerator <input type="radio"/>	(c) Deep Freezer <input type="radio"/>
(b) Water Cooler <input type="radio"/>	(d) Air conditioner <input type="radio"/>
- 6) Ductless Mini-Split is a type of:

(a) Refrigerator <input type="radio"/>	(c) Deep Freezer <input type="radio"/>
(b) Water Cooler <input type="radio"/>	(d) Air conditioner <input type="radio"/>



Federal Board SSC-II Examination Applied 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. Describe functions of refrigerator.
- ii. Define Water cooler.
- iii. Define Evacuation.
- iv. Define central air conditioning.
- v. Describe commercial air conditioning system.
- vi. Define preventive maintenance.
- vii. Describe importance of estimation.
- viii. What is labour cost in estimation?
- ix. What is a maintenance schedule?
- x. Define Servicing.

SECTION – C (Marks 10)

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

(2 x 5 = 10)

Q.3 Draw a labelled wiring diagram of a refrigerator.

Q.4 Write a detailed note on types of maintenance.

Q.5 Draw a labelled wiring diagram of a deep freezer.