

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-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) Instant water heaters are:
- | | | | |
|---------------|-----------------------|------------------|-----------------------|
| A. Appliances | <input type="radio"/> | B. Fixture | <input type="radio"/> |
| C. Fitting | <input type="radio"/> | D. Appurtenances | <input type="radio"/> |
- (2) What is the loss of water percentage due to leakage in well managed water distribution system?
- | | | | |
|--------|-----------------------|--------|-----------------------|
| A. 5% | <input type="radio"/> | B. 10% | <input type="radio"/> |
| C. 15% | <input type="radio"/> | D. 20% | <input type="radio"/> |
- (3) Ferrule valve is used for:
- | | | | |
|----------|-----------------------|-----------------------|-----------------------|
| A. Basin | <input type="radio"/> | B. Service connection | <input type="radio"/> |
| C. Sink | <input type="radio"/> | D. Bath tub | <input type="radio"/> |
- (4) The distance of gas meter from source of ignition should be:
- | | | | |
|----------|-----------------------|----------|-----------------------|
| A. 8 ft | <input type="radio"/> | B. 10 ft | <input type="radio"/> |
| C. 12 ft | <input type="radio"/> | D. 14 ft | <input type="radio"/> |
- (5) _____ horizontal slope is provided for gravitational flow in sanitary pipes.
- | | | | |
|----------------|-----------------------|-------------------|-----------------------|
| A. 1" per foot | <input type="radio"/> | B. ½" per foot | <input type="radio"/> |
| C. ¼" per foot | <input type="radio"/> | D. 1/16" per foot | <input type="radio"/> |
- (6) _____ is NOT a sanitary fixture:
- | | | | |
|----------------|-----------------------|-----------------|-----------------------|
| A. Wash basin | <input type="radio"/> | B. Water closet | <input type="radio"/> |
| C. Rose shower | <input type="radio"/> | D. Urinal | <input type="radio"/> |



Federal Board SSC-II Examination
Plumbing and Solar Water Heating System–I
(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) Define male and female fittings.
- (ii) Enlist the types of Geysers.
- (iii) Define a plumbing appliance.
- (iv) Enlist 6 types of sanitary pipes according to material.
- (v) Write the difference between “Y” and cross.
- (vi) Enlist steps for checking leakage in pipeline.
- (vii) Enlist types of traps.
- (viii) SSOs stands for?
- (ix) Write the uses of smoke blowers?
- (x) Define entrepreneurship.

SECTION – C (Marks 10)

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

Q.3 Explain the various classes of GI pipes. Also write down the principles of use of GI pipes.

Q.4 Explain the different types of kitchen sinks.

Q.5 Write the procedure of conducting smoke test for sewers.

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