

Skill Development and Entrepreneurship Department
Directorate of Vocational Education and Training
Directorate of Skill Development, Employment and Entrepreneurship
Question Paper Group Name: Civil-2
Question Paper Post Names: Craft Instructor – Plumber

Duration: 60 Minutes

Total Questions: 40

INSTRUCTIONS

1. This Question Paper Booklet contents 40 mandatory questions. Candidate should check the Question Paper Booklet and ensure that it contains all pages and questions before starting to answer. If candidate finds any problem pertaining to printing/ binding/ incomplete pages etc, candidate should immediately get the Question Paper replaced from the Invigilator.
2. Candidate has to write his/ her seat number in this block.

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3. The Question Booklet Number as printed above should be mentioned at the appropriate place on the OMR Answer Sheet.
4. All the Questions are provided with 4 options as 1, 2, 3 and 4. Candidate should select the most correct Option and mention the Option Number on the OMR Answer Sheet in front of the respective Question Number by **fully shading the Option Number with BLACK INK BALL POINT PEN Only.**
5. All Questions carry equal marks i.e. 1 Question has a weightage of 1 marks. Candidate should mind the available time for the examination and solve the questions accordingly.
6. The option shaded once on the OMR Answer Sheet should not be roughed or in any other way changed. Thus candidate should take utmost care while marking their options on OMR Answer Sheet. Such changes if any or any attempt to rough/ change options shall not be checked by the authorities.
7. Marks shall be awarded to the correct answers only during the evaluation of the OMR Answer Sheet. No marks shall be deducted for registering wrong answers (shading wrong option) or not attempting questions. Thus there is **NO NEGATIVE MARKING SYSTEM.**
8. All the rough work has to be done on the sheet provided for Rough Work in the Question Booklet only. Writing anything on the Question Paper Booklet, OMR Answer Sheet or any other Paper Sheet shall be treated as an unfair means and entitle for action under "Prohibition of Unfair Practices during examination Ordinance – 1982".
9. Method of Shading the Correct Option on the OMR Answer Sheet:

Q.No. 25.How many Centimeters make 1 Meter?

- | | |
|----------|-----------|
| (1) 10 | (2) 100 |
| (3) 1000 | (4) 10000 |

The Correct Option for this Question is (1) and hence the (2) option on the OMR Answer Sheet in front of Question Number 25 has to be shaded as following



Correct Method of Shading



Wrong Method of Shading

USE ONLY BLACK INK BALL POINT PEN FOR SHADING**IMPORTANT**

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THIS QUESTION PAPER BOOKLET AND PART – 1 OF OMR ANSWER SHEET HAVE TO BE SUBMITTED TO THE INVIGILATOR AFTER THE EXAMINATION.

1. Why is it necessary to read steel rule vertically?

- | | |
|--|----------------------------|
| 1. To avoid errors arising out of parallax | 2. To avoid strain on eyes |
| 3. To read steel rule easily and quickly | 4. None of the above |

2. The selection of marking medium for a particular job depends on

- | | |
|--|------------------------------|
| 1. Final cost of workpiece | 2. Cost of marking medium |
| 3. Surface finish and accuracy of work piece | 4. Initial cost of workpiece |

3. For filling out materials like aluminium, tin, copper which of the following types of file is most suitable and useful

- | | |
|--------------|----------------------|
| 1. Flat file | 2. Curved cut file |
| 3. Rasp file | 4. None of the above |

4. The effect of unequal length of cutting edges, unequal angle of cutting edges, drill point not in centre and unequal point thinning is _____

- | | |
|----------------------|--------------------|
| 1. Overheated drills | 2. Rough holes |
| 3. Broken drill | 4. Oversized holes |

5. The three pieces from a hand tap set are used in the following order

1. Bottoming tap – Second tap – taper tap
2. Intermediate tap – taper tap – bottoming tap
3. Taper tap – intermediate tap – bottoming tap
4. Intermediate tap – bottoming tap – taper tap

6. For cutting keyways, grooves and slots which of the following type of chisel is most suitable

- | | |
|-------------------------|----------------|
| 1. Cross cut chisel | 2. Flat chisel |
| 3. Diamond point chisel | 4. Web chisel |

7. For selection a flux in soldering process which of the following criteria is considered

- | | |
|---------------------------|------------------------|
| 1. Materials to be joined | 2. Working temperature |
| 3. Soldering process | 4. All of the above |

8. For initial planning of timber to bring the size nearer to the requirements which of the following type of plane is used

- | | |
|--------------------|----------------------|
| 1. Rebate plane | 2. Jack plane |
| 3. Smoothing place | 4. None of the above |

9. In which bond in brickwork, all the bricks are laid with their ends parallel to length of wall?

- | | |
|-------------------|-----------------|
| 1. Stretcher bond | 2. English bond |
| 3. Flemish bond | 4. Header bond |

10. The verticality of wall is checked with the help of

- | | |
|----------------|------------------|
| 1. Water level | 2. Spirit level |
| 3. Plumb bob | 4. Straight edge |

11. Man holes are where

- | | |
|---|---|
| 1. There is a change of direction of flow | 2. There is a change of diameter of the pipes |
| 3. Above both conditions are existing | 4. None of the the above conditions is existing |

12. To measure the workability of concrete which of the following test is conducted?

- | | |
|----------------|----------------------|
| 1. Slump test | 2. Consistency test |
| 3. Needle test | 4. None of the above |

13. For opening the pipe line for repairing _____ is provided along the pipe line at appropriate position

- | | |
|-------------|-----------|
| 1. Coupling | 2. Union |
| 3. Elbow | 4. Nipple |

14. To maintain one way flow in water supply line, following which type of valve is provided.

- | | |
|---------------------|----------------------|
| 1. Globe valve | 2. Ball valve |
| 3. Non-return valve | 4. None of the above |

15. Where pipes contract due to change in atmospheric temperature, which type of joint is provided?

- | | |
|------------------|--------------------|
| 1. Flanged joint | 2. Spigot joint |
| 3. Socket joint | 4. Expansion joint |

16. For controlling or stopping flow of water in pipe line which of the following valve is provided.

- | | |
|---------------------|----------------------|
| 1. Air relief valve | 2. Scour valve |
| 3. Sluice valve | 4. None of the above |

17. For measuring small flow of water which meter is fitted along the pipe line?

- | | |
|-------------------------------|-------------------------------|
| 1. Positive displacement type | 2. Orifice meter |
| 3. Venturi meter | 4. Negative displacement type |

18. The water from the tap is continuously dripping, drop by drop, as a plumber you will change

- | | |
|------------------|-----------------|
| 1. Washer | 2. Spindle |
| 3. Either 1 or 2 | 4. Both 1 and 2 |

19. To shut off the water supply to the tank, when the water level reaches to a pre-determined level, which type of valve is provided.

- | | |
|-----------------|----------------------|
| 1. Safety valve | 2. Float valve |
| 3. Reflux valve | 4. None of the above |

20. According to IS 1172-1963, the consumption of water per capita per day is

- | | |
|---------------|---------------|
| 1. 135 litres | 2. 115 litres |
| 3. 100 litres | 4. 160 litres |

21. The maximum permissible chlorine content for public supplies should be between

- | | |
|-------------------|-------------------|
| 1. 0.1 to 0.2 ppm | 2. 0.3 to 0.4 ppm |
| 3. 1.2 to 4 ppm | 4. 6.5 to 8 ppm |

22. The PH value of water for public supplies is limited from

- | | |
|----------------|--------------|
| 1. 2.5 to 6.50 | 2. 8 to 10 |
| 3. 5 to 7.50 | 4. 7 to 8.50 |

23. The quantity of arsenic in water for domestic purpose should not be more than

- | | |
|---------|---------|
| 1. 0.5 | 2. 5.0 |
| 3. 0.05 | 4. 5.50 |

24. The method adopted for removing bushes, branches, debris etc. from water is known as

- | | |
|----------------|------------------|
| 1. Screening | 2. Filtration |
| 3. Coagulation | 4. Sedimentation |

25. The most common coagulant is

- | | |
|---------------------|-----------------------|
| 1. Chlorine | 2. Alum |
| 3. Bleaching powder | 4. Magnesium sulphate |

26. The under drainage system in slow sand filters

- | | |
|---|--|
| 1. Receives and collects the filtered water | 2. Allows back washing for cleaning the filter |
| 3. both 1 and 2 | 4. None of the above |

27. An arrangement for back washing is provided in

- | | |
|---------------------|-----------------------|
| 1. Slow sand filter | 2. Sedimentation tank |
| 3. Both 1 and 2 | 4. Rapid sand filter |

28. The yield of a rapid sand filter is _____ to that of slow sand filter.

- | | |
|-------------|-------------|
| 1. 10 times | 2. 20 times |
| 3. 30 times | 4. 40 times |

29. Pressure filters are best suited for

- | | |
|---------------------|--------------------------|
| 1. Swimming tanks | 2. Individual industries |
| 3. Railway stations | 4. All of the above |

30. In one pipe system of plumbing, waste water is carried away from

- | | |
|------------------|---------------------|
| 1. Bathrooms | 2. Kitchens |
| 3. Water closets | 4. All of the above |

31. The pipe through which liquid waste carrying human excreta flows is called

- | | |
|---------------|----------------------|
| 1. Waste pipe | 2. Soil pipe |
| 3. Vent pipe | 4. None of the above |

32. The internal diameter of the sewer should not be less than

- | | |
|----------|----------|
| 1. 15 cm | 2. 25 cm |
| 3. 50 cm | 4. 75 cm |

33. A sewer which receives storm water, surface run off and sewage is called a

- | | |
|-------------------|-----------------|
| 1. Outfall sewer | 2. Branch sewer |
| 3. Combined sewer | 4. Common sewer |

34. A good trap should possess the following qualities

- | | |
|--|---|
| 1. Sufficient water seal | 2. Should be provided with access door for cleaning |
| 3. Made of some non absorbent material | 4. All of the above |

35. The trap which is provided at the junction of house sewer and municipal sewer is called as

- | | |
|----------------------|----------------------|
| 1. Intercepting trap | 2. Gully trap |
| 3. Floor trap | 4. None of the above |

36. The trap in which water from floors of rooms, kitchens, bath etc is admitted is

- | | |
|----------------------|---------------------|
| 1. Intercepting trap | 2. Floor trap |
| 3. Gully trap | 4. All of the above |

37. In one case, spindle slips down continuously when cock is turned and tap does not close' what remedial action you will suggest as a plumber

- | | |
|-------------------------|------------------------------|
| 1. Replace washer | 2. Call customer care centre |
| 3. Replace the stopcock | 4. None of the above |

38. Suggest the solution when water flows from the over flow pipe of the cistern though the float is not damaged.

- | | |
|--|----------------------|
| 1. Adjust the ball valve level to 2.5 cm below the level of over flow pipe | |
| 2. Adjust the ball valve level equal to the level of over flow pipe | |
| 3. Anyone from 1 or 2 | 4. None of the above |

39. Collection of rain water, when it rains, for use during non monsoon months in called

- | | |
|--------------------------|--------------------------|
| 1. Rain water collection | 2. Recharging |
| 3. Charging | 4. Rain water harvesting |

40. What is the weight of water full of a tank having size 1m X 1m X 1m.

- | | |
|-----------|------------|
| 1. 100 kg | 2. 1000 kg |
| 3. 580 kg | 4. 1040 kg |