

**CLASS: 9<sup>th</sup>**

**Code: A**

Roll No.

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**Plumbing**

National Skills Qualification Framework (NSQF)

[Hindi and English Medium]

**ACADEMIC**

समय: 2.30 घण्टे,

पूर्णांक: 60

Time allowed: 2.30 hours]

[ Maximum Marks:60

- कृपया जांच कर लें कि इस प्रश्न-पत्र में मुद्रित पृष्ठ 6 तथा प्रश्न 30 हैं।  
Please make sure that the printed pages in this question paper are 5 in number and it contains 30 questions.
- कृपया प्रश्न का उत्तर लिखना शुरू करने से पहले, प्रश्न का क्रमांक अवश्य लिखें।  
Before beginning to answer a question, its Serial Number must be written.
- उत्तर-पुस्तिका के बीच में खाली पन्ना न छोड़ें।  
Don't leave blank page/pages in your answer-book.
- उत्तर-पुस्तिका के अतिरिक्त कोई अन्य पीट नहीं मिलेगी। अतः आवश्यकतानुसार ही लिखें और लिखा उत्तर न काटें।  
Except answer-book, no extra sheet will be given. Write to the point and do not strike the written answer.
- परीक्षार्थी अपना रोल नं० पृष्ठ न –पत्र पर अवश्य लिखें। रोल नं० के अतिरिक्त पृष्ठ न –पत्र पर अन्य कुछ भी न और वैकल्पिक प्रश्न के उत्तरों पर किसी प्रकार का निशान न लगाएं।  
Candidate must write their Roll No. on the question paper. Except Roll No. do not write anything on question paper and don't make any mark on answer of objective type questions.
- कृपया प्रश्नों के उत्तर देने से पूर्व यह सुनिश्चित कर लें कि प्रश्न-पत्र पूर्ण व सही है, परीक्षा उपरान्त इस सम्बन्ध में कोई भी दावा स्वीकार नहीं किया जायेगा।

Before answering the questions, ensure that you have been supplied the correct and complete question paper, no claim in this regard, will be entertained after examination.

Instructions (निर्देश) :-

1. All questions are compulsory. (सभी प्रश्न अनिवार्य हैं)
2. Question no 1 to 3 are long answer type questions carrying **five marks**.  
(प्रश्न 1 से 3 पांच नंबर के हैं)
3. Question no 4 to 9 are short answer type question carrying **three marks**.  
(प्रश्न 4 से 9 तीन नंबर के हैं)
4. Question no 10 to 15 are very short answer type question carrying **two marks**.  
(प्रश्न 10 से 15 दो नंबर के हैं)
5. Question no. 16 to 30 are MCQ/ One Word/ Fill in the Blank type's questions carrying **one marks** each. (प्रश्न 16 से 30 तक एक नंबर के हैं)

**[Section-A]**

**Long Answer Types of Questions****3 x 5 = 15(Marks)**

Q. 1. List the precautions one should take during laying of pipes.

OR

Q. 1 . . List the uses of the GI, CI, asbestos and PVC pipes.

Q. 2 List the different types of material in which plumbing fittings are available.

OR

Q. 2 . Draw the figures of bends and reducing tee.

Q. 3. Why are fittings used in plumbing? Write a short note on any four types of fittings.

RO

Q. 3. Explain the importance of valves. Write about two types of valves and their uses.

**[Section-B]****Short Answer Types Questions****6 x 3 = 18(Marks)**

Q. 4. Define the plumbing system.

Or

Q. 4. Why is plumbing system necessary for all types of building?

Q. 5. List down the different plumbing tools and their uses.

Or

Q. 5. What are the methods adopted for safe handling of the pipe cutter, pipe bending and drilling machines?

Q. 6. Differentiate between the fitting tools and cutting tools

Q. 7. Calculate the circumference of a circle of radius of 12cm

Q. 8 Why are joints necessary? Discuss in detail, with suitable figures.

Q. 9. State the difference between threaded joint and a welded joint.

Define supply and capital goods with example.

**[Section-C]****Very Short Answer Types Questions****6 x 2 = 12 Marks**

Q.10. What are the different parts of a drill machine?

Q.11. Define Grooming and its Importance

RO  
**Q.11 Define Personal Hygiene**

Q. 12.Differentiate between GI and CI pipes.

Q.13. Why are GI pipes preferred over PVC pipes?

Q.14. What are smart phone

Or

Q 14. Describe the functions of a mouse.

Q.15. What is the role of a float valve?

**[Section-D]**

**Objective Types Questions**

**15x 1 = 15 Marks**

Q.16 Plumbing and pipe fittings play a major role in the construction of buildings like

- (a) Residential
- (b) Commercial
- (c) Industrial
- (d) All of the above

Q.17. Every residential building should have regular and adequate \_\_\_\_\_supply.

Q.18. For excavating hard soils, \_\_\_\_\_ is used.

Q.19. When we communicate verbally, we should use \_\_\_\_\_.

- (a) difficult words
- (b) simple words
- (c) confusing words
- (d) abbreviations

Q.20. Pipes which are used for the removal of rainwater from roofs, soil and waste:

- (a) AC
- (b) PVC
- (c) GI
- (d) CI

Q. 21. . 1 metre = .....yards

Q. 22. 1 feet = .....inches

Q. 23. Which of the following fittings is used to connect two pipes with each other?

- (a) Tee
- (b) Connector

(c) Elbow (d) All of the above

Q. 24. . Which of the following fittings is used to connect four pipes?

- (a) Offset (b) Union
- (c) Cross (d) Reducer

Q. 25. Crane is .....

- (A) A type of machine (B) Used for lifting heavy things
- (C) An Industrial equipment (D) All of the above

Q. 26 . . Why do we send emails?

- (a) To reach on time
- (b) To share documents and files
- (c) To talk to each other
- (d) To meet each other

Q. 27. a Sports Shop is .....

- (A) Product business
- (B) Service business
- (C) Hybrid business
- (D) both (A) & (B).

Q. 28 .What is Customer needs? .

Q. 29. What does conservation of energy mean? (Choose all options that apply)

- (a) Saving energy
- (b) Producing energy
- (c) Using energy efficiently
- (d) Creating energy sources

Q. 30.

2. Which of the following are non-renewable resources?

(Choose all options that apply)

- (a) Coal
- (b) Diesel
- (c) Sun
- (d) Water