

CLASS: 10th (Secondary)

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 शीट 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 प्रश्न-पत्र पर अवश्य लिखें। रोल नं० के अतिरिक्त प्रश्न-पत्र पर अन्य कुछ भी न लिखें 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 कंक नंबर के हैं)

[Section-A]

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

Q. 1. Name the various types of plumbing and sanitary fittings with neat sketches and describe any one of these.

Or

Q. 1 Give the general principle of design of sanitary fittings.

Q. 2 What are the reasons for noise in a plumbing system?

rO

Q2. What is the reason for odour in a plumbing system?

Q 3. Why is it important to maintain good personal hygiene?

rO

Q, 3What preventive actions can be taken to minimise the risk of fire?

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

Q. 4. List the three cutting tools used for cutting pipes.

rO

Q 4 . Explain how threads are made on a pipe

Q. 5 List the components of a building.

rO

Q.5 . Why is cutting made in the structure?

Q. 6Write short notes on Washbasin

Q. 7 Differentiate between shallow jet well pumps and deep well pumps

Q. 8 List the advantages of installing a water meter.

Q. 9 What is the basic first aid that should be applied in the event of an accident?

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

Q. 10.What are Goal setting?

rO

Q. rof dnats S tahW laoG TRAMS nI 10? nialpxE

Q.11. Entrepreneurs can create jobs in the market.

rO

Q. 11 Entrepreneurs identify a need in the market and build a product or service for it.

Q.12. Why do we use a hand drill machine?

Q.13. List the disadvantages of installing a water meter.

Q.14. Why is repair necessary in the plumbing system?

Q.15. . List the steps required for checking the flush system of a western latrine.

[Section-D]

Objective Types Questions

15x 1 = 15 Marks

Q.16. Which of the following methods is used for pipe cutting?

- (a) Plastic tubing
- (b) Wheel cutters
- (c) Hacksaw
- (d) All of the above

Q.17. . The process of cutting thread using a tap is called_____.

- (a) tapping
- (b) threading
- (c) cutting
- (d) bending

Q.18. Which of the following is a valid file extension for Notepad file?

- (a) .jpg
- (b) .doc
- (c) .text
- (d) .txt

Q.19. . What keys do you use to copy something?

- (a) Ctrl+x
- (b) Ctrl+c
- (c) Ctrl+z
- (d) Ctrl+y

.Q.20 Which of the following sources of energy is from a renewable source?

- (a) Solar energy
- (b) Wood
- (c) Coals
- (d) Petrol

Q. 21. . Choose the option which is not a sustainable development goal according to United Nations.

- (a) Clean Water and Sanitation
- (b) Gender Equality
- (c) Population
- (d) Reduced Inequalities

Q 22 Which one of the following shortcut keys is used to paste

- a) Ctrl+C
- b) Ctrl+P

- c) Ctrl+V
- d) Ctrl+X

Q.23. What are the types of words we should use for verbal communication?

- (a) Acronyms
- (b) Simple
- (c) Technical
- (d) Jargons

Q. 24. . Why do we use e-mails?

- (a) To communicate with many people at the same time.
- (b) To share documents and files.
- (c) To talk to each other in real-time.
- (d) To keep a record of communication.

Q. 25. Trench collapses cause dozens of fatalities and hundreds of injuries each

-
- (a) year (b) month
 - (c) time (d) None of these

Q.26. Head can be protected by wearing the _____.

- (a) helmet (b) safety cap
- (c) gloves (d) None of these

Q. 27. How many gears are placed in a rotary pump?

- (a) 2
- (b) 4
- (c) 5
- (d) 6

Q.28. A pump is a device that moves fluids, slurries by a _____.

Q.29.. . Washbasin is a _____ fixture used for washing hands.

Q.30. . A console washbasin is also wall-mounted that rests on _____.