

Model Question Paper: Year 2024-25

CLASS: 10th (Secondary)

Code: A

Roll No.

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Power

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 कंकनंबर के हैं)

[Section-A]

Long Answer Types of Questions

3 x 5 = 15 Marks

Q. 1. Examine energy meters testing procedures and devices used.

Or

Q. 1 . Describe performance standard regulation.

Q. 2 Illustrate the importance of safety at workplace.

Or

Q2. Appreciate importance of using PPE.

Q 3. Discuss the ways of effective communication and coordination

Or

Q, 3 Compare the various components of effective communication.

[Section-B]

Short Answer Types Questions

6 x 3 = 18 Marks

Q. 4 Explain the basic functions of power distribution company.

Or

Q 4 . Identify types of meters and distribution losses.

Q. 5 Discuss about Consumer Energy Meter Technician.

Or

Q.5 . Explain the duties of Consumer Energy Meter Technician.

Q. 6 Describe health and safety requirements applicable in work place.

Q. 7 Explain electrical shock

Q. 8 Provide solutions to develop effective communication

Q. 9 Discuss methods for keeping personal hygiene

[Section-C]

Very Short Answer Types Questions

6 x 2 = 12 Marks

Q. 10. What are Goal setting?

Or

Q. 10. What are the responsibilities of a Consumer Energy Meter Technician?

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

Or

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

Q.12. Review the responsibilities of Consumer Energy Meter Technician

Q.13. Explain the basics of energy meter.

Q.14. Describe how to safeguard energy meters against tampering and damages

Q.15. Provide some examples of ownership from current scenario.

[Section-D]

Objective Types Questions

15x 1 = 15 Marks

Q.16.. Functions of Power Distribution Company is:

- (a) Purchase of power
- (b) Distribution of power
- (c) Accounting of energy
- (d) Maintaining company assets
- (e) All of the above

Q.17. . In rural area which type of feeder system is used:

- (a) Radial
- (b) Interconnected
- (c) Ring main system
- (d) None of these

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. . Consumer Energy Meter Technician should:

- (a) Allowed to work on live line
- (b) He shall know all the network details
- (c) Shall be responsible for maintaining continuity of supply
- (d) All of the above

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. . Every distribu_on system must carry out periodical review of:

- (a) Line Losses
- (b) Revenue collec_ons and system defects
- (c) Purchase of line material and equipment
- (d) Employee training
- (e) All of the above

Q.26. It is mandatory for a Consumer Energy meter Technician to wear _____ and to

prepare a safe Zone by cordon the area of electrical equipments taken under shut down

Q. 27. Possible causes of accident are:

- (a) Doing work in an unsafe way
- (b) Improper loading or placement of equipment or supplies
- (c) Diverting the attention of a worker from his work
- (d) All of the above

Q.28 . . While working in distribution substation safety zone can be created by:

- (a) Checking the supply at HT< terminals
- (b) Using good tools and equipments
- (c) Using line clear permit
- (d) Use safety belt and waist belt

Q.29.. Workplace _____ often reinforce and clarify standard operating procedure in a workplace.

Q.30. . A functional organisational structure is one of several _____ structures a company could implement.