higher education & training

Department:
Higher Education and Training
REPUBLIC OF SOUTH AFRICA

NATIONAL CERTIFICATE (VOCATIONAL)

WORKSHOP PRACTICE
NQF LEVEL 2

(12041012)

15 November 2022 (Y-paper)
13:00–16:00

This question paper consists of 6 pages.

361Q1N2215

Copyright reserved

TIME: 3 HOURS
MARKS: 100

INSTRUCTIONS AND INFORMATION

1. Answer all the questions.
2. Read all the questions carefully.
3. Number the answers according to the numbering system used in this question paper.
4. Start each question on a new page.
5. Use only a black or a blue pen.
6. Write neatly and legibly.

Copyright reserved

QUESTION 1

1.1 Choose a term from COLUMN B that matches a description in COLUMN A. Write only the letter (A–F) next to the question number (1.1.1–1.1.5) in the ANSWER BOOK.

COLUMN A		COLUMN B	
1.1.1	An unsafe physical environment in the workplace that may result in an accident	A	hazard
1.1.2	Using equipment without knowing how to operate it	B	near misses
1.1.3	Any source of exposure to danger	C	work factor
1.1.4	Incidents where no injury or damage occur	D	scaffolding
1.1.5	Commonly used when working in elevated positions	E	unsafe act
		F	electrocution

(5 × 1) (5)

1.2 State FIVE safe practices to be followed and demonstrated when stacking goods or materials in a workplace, truck or anywhere outside the workplace.

(5 × 2) (10)

1.3 List FIVE main types of hazards that may cause injury, illness or even death to people in the workplace. (5)

[20]

QUESTION 2

2.1 Various options are given as possible answers to the following questions. Choose the answer and write only the letter (A–D) next to the question number (2.1.1–2.1.5) in the ANSWER BOOK.

2.1.1 Which ONE is an example of radiation burn?

A Fire
B Acid
C Electric current
D X-rays

2.1.2 A condition in which blood circulation is disturbed.

A Infection
B First aid
C Shock
D Electric shock

2.1.3 Which ONE of the following must one use to minimise the risk of transmission of viruses and bacteria?

A Disposable gloves
B Scissors
C Bandages
D First aid dressing

2.1.4 Which ONE best describes the signs of a person in electric shock?

A Bleeding
B Stiffness of the body
C Fracture
D CPR

2.1.5 Both layers of the skin, the epidermis, and the dermis, are damaged.

A First-degree burns
B Second-degree burns
C Third-degree burns
D Fourth-degree burns

(5 × 1) (5)

2.2 An electrician has fallen from an electric pole about 10 metres from the ground. As a result, he broke an arm and a leg.

2.2.1 What is another term for a broken bone?

2.2.2 What is the term that refers to the broken portions of the bones?

2.2.3 What term refers to the broken skin over the bone?

2.2.4 Give the term that refers to the bone that is bent in such a way that it cracks transversely and splits longitudinally.

2.2.5 Name the term that refers to a bone that is broken at a steep angle.

(5 × 1) (5)

Copyright reserved

2.3 What does the following acronyms stand for?

2.3.1 AR
2.3.2 CPR
2.3.3 OHSA

(3 × 1) (3)

2.4 Explain the term, *incident.* (2)
[15]

QUESTION 3

3.1 Name FIVE basic hand tools that an electrician will need and use to do re-wiring of an old building. Also indicate what the tool will be used for.
(5 × 2) (10)

3.2 What are the consequences of using a hammer with a loose, splintered or cracked handle? (2)

3.3 Name at least THREE areas that should be checked to determine whether pliers are in good working condition or not. (3)
[15]

QUESTION 4



4.1 Name the power machine in the image above. (1)

4.2 List FOUR different hand tools that may be sharpen by using this power machine. (4)

4.3 Name and give a brief description of the parts marked A to E. (10)
[15]

QUESTION 5

5.1 Which measuring equipment has a part called a belt clip? (1)

5.2 Which measuring equipment can be used to make long distance measurements without physically going to the target? (1)

5.3 Which measuring instrument has a part called a stock? (1)

5.4 Which measuring equipment has a part called a sliding jaw? (1)

5.5 Which measuring equipment is used to measure the length of a curved object? (1)

5.6 State FIVE safety precautions to follow when using a laser measuring instrument. (5 × 2) (10)

[15]

QUESTION 6

6.1 Indicate whether the following statements are TRUE or FALSE. Choose the answer and write only 'True' or 'False' next to the question number (6.1.1–6.1.5) in the ANSWER BOOK.

6.1.1 Warning signs are triangular in shape.

6.1.2 Prohibitory signs have a red border and a red diagonal line with a black picture on a white background.

6.1.3 Compulsory sigs are square in shape.

6.1.4 Informative signs have a white picture against a blue background.

6.1.5 General signs are usually square in shape and have a white picture on a green background.

(5 × 1) (5)

6.2 Name THREE different types of lifting systems. (3)

6.3 Name TWO main types of slings. (2)

[10]

QUESTION 7

State FIVE steps that students should follow when practicing and performing soldering on a strip board. (5 × 2) **[10]**

TOTAL: 100

Copyright reserved