



LIMPOPO
PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA

DEPARTMENT OF EDUCATION

VHEMBE WEST DISTRICT

GRADE 06

NATURAL SCIENCES AND TECHNOLOGY

TERM 4 FINAL TEST

NOVEMBER 2023

MARKS: 60

TIME: 1½ Hours

This **Question Paper** consists of **SEVEN (07)** pages including the cover.

INSTRUCTIONS:

1. Answer all questions.
2. Write neatly and clearly.
3. Write all answers in the question paper
4. This question paper consists of three sections, A, B and C
5. Use appropriate drawing instruments where necessary

SECTION A

QUESTION 1

Circle the correct answer from those given below:

1.1. Circuits diagrams can be drawn using one of the following.

- A. Appliance
- B. Symbols.
- C. Pictures.
- D. Numbers.

1.2. The main function of a cell is to:

- A. Close and open the electrical circuit.
- B. Supply energy to the circuit.
- C. Reduce current.
- D. Produce sound.

1.3. The purpose of the copper wire in a circuit is to

- A. Conduct electricity.
- B. Produce electricity.
- C. Store electricity
- D. Stop the flow of electricity.

1.4. The large planet in the Solar System is

- A. Venus
- B. Earth
- C. Jupiter
- D. Mercury

1.5. The planet closest to the Sun is

- A. Mars
- B. Pluto
- C. Earth
- D. Mercury

1.6. Materials that do not allow electricity to pass through them are:

- A. Metals.
- B. Insulators.
- C. Conductors.
- D. Batteries.

1.7. The following fall under renewable resources of energy.

- A. Wood.
- B. Oil.
- C. Petrol.
- D. Wind

1.8. It is an example of Fossil Fuels.

- A. Water
- B. Iron
- C. Coal
- D. Ruler

1.9. This is the way of saving electricity at home.

- A. Switch off the light
- B. Leaving the fridge all day
- C. Overload sockets
- D. Do not use energy saving bulb.

1.10. Illegal connections are

- A. Dangerous
- B. Safe
- C. Helpful
- D. Easy way to get electricity.

[10]

QUESTION 2

Write whether the statement is true or false.

- 2.1. The sun is a Star _____
- 2.2. Mars is known as the blue planet _____
- 2.3. Electric circuits are also used in models and toys. _____
- 2.4. Sun is the main source of energy _____
- 2.5. A battery torch also needs a complete circuit to light up. _____
- 2.6. The bulb can only light up when the switch is open. _____
- 2.7. Hydro power is a non-renewable source of energy _____
- 2.8. Electric gates do not need a circuit to function. _____

[8]

QUESTION 3

Match words in Column A with statements in Column B. Write only the correct letter in Column C. e.g. 3.7. G

Column A	Column B	Column C [ANSWERS]
3.1. Water	A. Good conductor of electricity	3.1. _____
3.2. Copper	B. Uses a lot of electrical energy to heat water	3.2. _____
3.3. Geyser	C. Renewable resource of energy	3.3. _____
3.4. Cell	D. Convert electrical energy to heat energy	3.4. _____
3.5. SALT	E. Supply energy in the circuit	3.5. _____
3.6. Electric Stove	F. South African Large telescope	3.6. _____
	G. Bad conductor of electricity.	

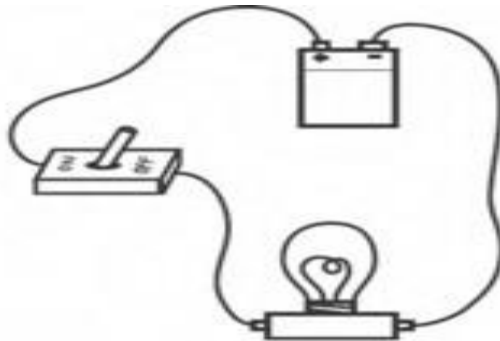
[12]

SECTION A TOTAL = 30 MARKS

SECTION B

QUESTION 4

4.1. Redraw the following electrical circuit using the correct symbols to represent the components.



[4]

4.2. Complete the following table by adding the missing words or symbols.

4.2.1	_____
Open Switch	4.2.2
Cell	4.2.3
Closed Switch	4.2.4.
4.2.5	 _____

[10]

4.3. Name 3 the inner planets.

- 4.3.1. _____
- 4.3.2. _____
- 4.3.3. _____

[3]

PLEASE TURN YOUR PAGE

4.4. Complete the table below by writing correct examples under each column.

RENEWABLE RESOURCES OF ENERGY	NON-RENEWABLE RESOURCES OF ENERGY
4.4.1.	4.4. 3.
4.4.2.	4.4.4.

[4]

SECTION B TOTAL= 21 MARKS**SECTION C****QUESTION 5**

Define the following concepts:

5.1. Fossil fuels

 [2]

5.2. Conductor

 [2]

5.3. SKA

 [2]

5.4. Describe what it means if a material conducts electricity? Give any one example.

 [3]
SECTION C TOTAL= 9 MARKS**GRAND TOTAL= 60 MARKS**