



LIMPOPO
PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA

DEPARTMENT OF EDUCATION

VHEMBE WEST DISTRICT

GRADE 07

TECHNOLOGY

2023 NOVEMBER

QUESTION PAPER

MARKS: 60

TIME: 2 HOURS

This QUESTION PAPER consists of SIX(6) pages including the cover.

Instructions

- 1. Read the Instructions carefully before you answer.**
- 2. Answer all questions on the question paper.**
- 3. Write neatly and eligibly.**
- 4. If you have to draw, do it legibly.**

NAME _____

SCHOOL _____

SECTION A

QUESTION 1

Choose the correct answer and circle the letter next to the correct answer.

1.1. An electric circuit consist of an.....

- A. Connected cells
- B. Electrical energy source
- C. Electromagnet
- D. Electrical components.

1.2. Cells are marked with a number called?

- A. Terminal
- B. D-cells
- C. Voltage
- D. Electrical energy

1.3. Which of these metals are attracted to magnets?

- A. Silver
- B. Steel iron
- C. Aluminium
- D. copper

1.4. Short circuit happens when.....

- A. The circuit is open
- B. Have wires touch
- C. There is loose connection.
- D. The circuit is closed

1.5. Oscillating movement is.....

- A. Turning movement
- B. Up and down movement.
- C. Backward and forward movement.
- D. Movement in a straight line.

1.6. The state of being poor.

- A. Xenophobia
- B. Economic crisis
- C. Poverty
- D. Disasters

1.7. Parts of the circuit are also called?

- A. battery
- B. Components
- C. Conductors
- D. Crocodile clips

1.8. Turning movement?

- A. Rotary movement
- B. Linear movement
- C. Reciprocating movement
- D. Oscillating movement

1.9. Someone who flees from danger in his or her country?

- A. Stranger
- B. Internally displaced
- C. Refugee
- D. Asylum

1.10. Type of wheel and axle that is used to lift weights?

- A. Crank
- B. Pulley
- C. Drum
- D. Winch

[10]

QUESTION 2

2.1. Match column A with B e.g. 2.1.6. F

Column A	Column B	Column C
2.1.1. Natural disaster	A. rods on which wheels are fixed	
2.1.2. Axles	B. long adjustable arm for supporting object being moved.	
2.1.3. Pulley	C. light and heat energy	
2.1.4. Boom	D. mechanism used to lift heavy objects	
2.1.5. Bulb	E. wide spread destruction of homes and buildings brought by nature	

(5)

2.2. Fill in the following statement.

In South Africa _____, _____ and _____ are the three most common forms of natural disaster

(3)

[8]

SECTION A TOTAL = [18] Marks

SECTION B

QUESTION 3

State whether the following statement are true or false.

- 3.1. Metals such as iron do not stick to a magnet _____ (1)
- 3.2. Copper is a non-conduct of electricity _____ (1)
- 3.3. Recycling metals has become the business _____ (1)
- 3.4. All electric circuit requires a source of electrical energy. _____ (1)
- 3.5. Ferrous metals contain iron. _____ (1)
- 3.6. Cranks provide mechanical advantage. _____ (1)
- 3.7. If a magnet is dropped or heated the magnetic effect will reduce. _____ (1)
- 3.8. Pulley is a type of wheels and axle that is used to lift weights. _____ (1)
- 3.9. Linear movement is a movement in a straight line. _____ (1)
- 3.10. Clothes which cannot burn are fire-resistant. _____ (1)

[10]

QUESTION 4

4.1. Explain three things to be done if the circuit does not work.

(6)

4.2. What is the difference between a single pulley and compound pulley?

(2)

4.3. Define the following terms:

4.3.1. Corrodes

_____ (2)

4.3.2. Malleable

_____ (2)

4.3.3. Durable _____ (2)

[14]

SECTION B TOTAL= [26] MARKS

SECTION C

QUESTION 5

Food supplied to a refugee camp needs to suits conditions and people living in the camp,

5.1. Give three things to be considered for the food to be suitable.

_____ (6)

5.2. Name and explain two problems in providing food.

_____ (4)

[10]

QUESTION 6

Case study

Read the case study below carefully and be able to answer the questions based on it.

Extraction of metal from the earth damages the environment. During extraction, huge holes are made where plants can never grow again. Chemicals produced also pollute the soil and water. Different metals have different and uses. Things such as cars, telephone lines, baking trays, nails, bicycle spokes and many

others are made up of metals. Lots of metals are thrown away because much of people's daily operations depend on machines made of metals. This high demand for metals has made people start collecting used metals and re-process them for other uses. Other materials are also being re-processed nowadays. These include material of products such as newspaper, magazines, juice bottles, lunch boxes, pen cases, cool drink cans, breakable bottles and broken car windscreens.

6.1. Name two materials which can be re-processed.

(2)

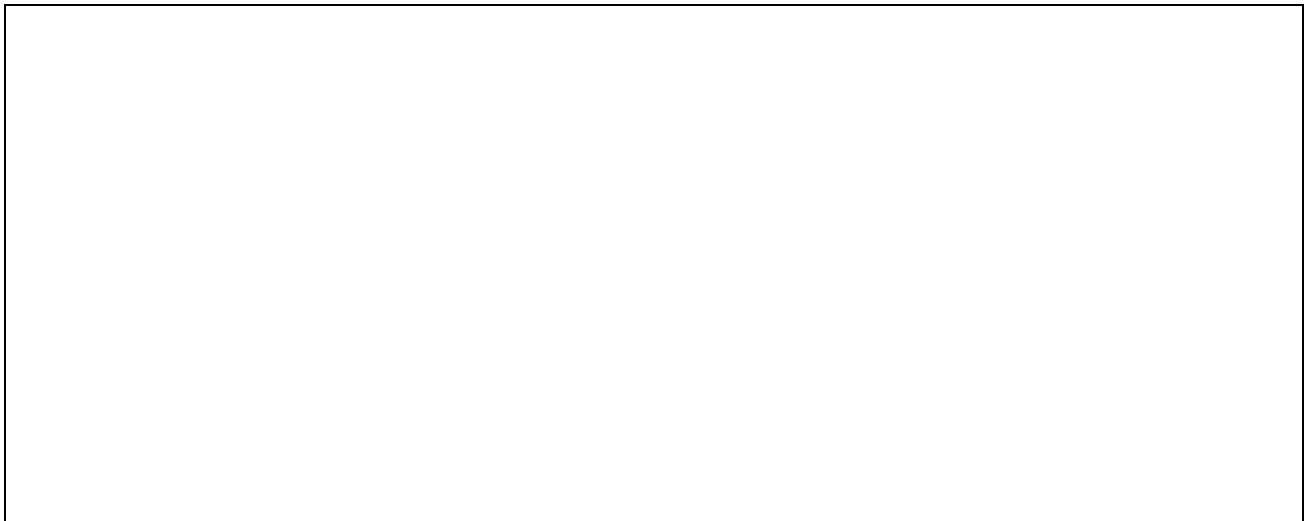
6.2. Mention one negative impacts of metal extraction on the environment.

(1)

6.3. Name any one products of metals mentioned in the text.

(1)

6.4. Draw a simple diagram of an electrical circuit consisting of a battery, light bulb and an open switch. Use only symbols to indicate all components.



(4)

[8]

SECTION C TOTAL = [18] Marks

GRAND TOTAL = 60 MARKS