



LIMPOPO
PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA

DEPARTMENT OF EDUCATION

VHEMBE WEST DISTRICT

GRADE 07

TECHNOLOGY

2022 NOVEMBER

QUESTION PAPER

MARKS: 60

TIME: 2 HOURS

This QUESTION PAPER consists of TEN (10) 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 this legibly.**

NAME _____

SCHOOL _____

SECTION A**QUESTION 1**

Circle the correct answer.

1.1 Technology is ...

- a) Use of resources to meet our personal needs.
- b) Use of social and environmental factors.
- c) Use of skills, knowledge, and values.

1.2 Recycling is the process of ...

- a) Manufacturing or making new products.
- b) Disposing of all recyclable materials.
- c) Saving energy through light bulb collecting.

1.3 The best way to magnetise a steel pin is to...

- a) Heat it.
- b) Put it in water.
- c) Hit it with a magnet.
- d) Stroke it with a magnet.

1.4 Oblique drawings and lines in a 3-D drawing are usually drawn at...

- a) 90°
- b) 45°
- c) 60°

1.5 A Refugee is ...

- a) A person that moves to another city.
- b) A person who is forced out of the family.
- c) A person who can't return to their own country.

1.6 In which device is an electromagnet not used as a component ...

- a) Loudspeakers.
- b) Computer hard drive.
- c) Debit and Credit cards.

QUESTION 2

Answer the following questions.

2.1 What is a magnet?

(2)

2.2 Explain the difference between temporary and permanent magnets by providing descriptions of the following terms:

a. Temporary magnets:

(1)

b. Permanent magnets:

(1)

2.3 Will the following magnets attract or repel each other?



(2)

2.4 Look at the picture of the magnet below and answer the questions that follow.



Figure

2.4.1 Identify the following magnet:

_____ (1)

2.4.2 Is it a temporary or permanent magnet?

_____ (1)

2.4.3 Where will the magnetic field be the strongest?

_____ (1)

2.4.4 Explain how we benefit from the earth's magnetic field.

_____ (2)

2.4.5 What do we call magnets that are found in nature?

_____ (1)

2.4.6 Magnets have two 'ends', what is each end called?

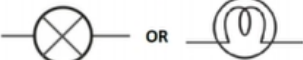
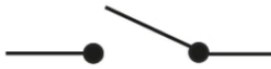
a) _____

b) _____

(2)

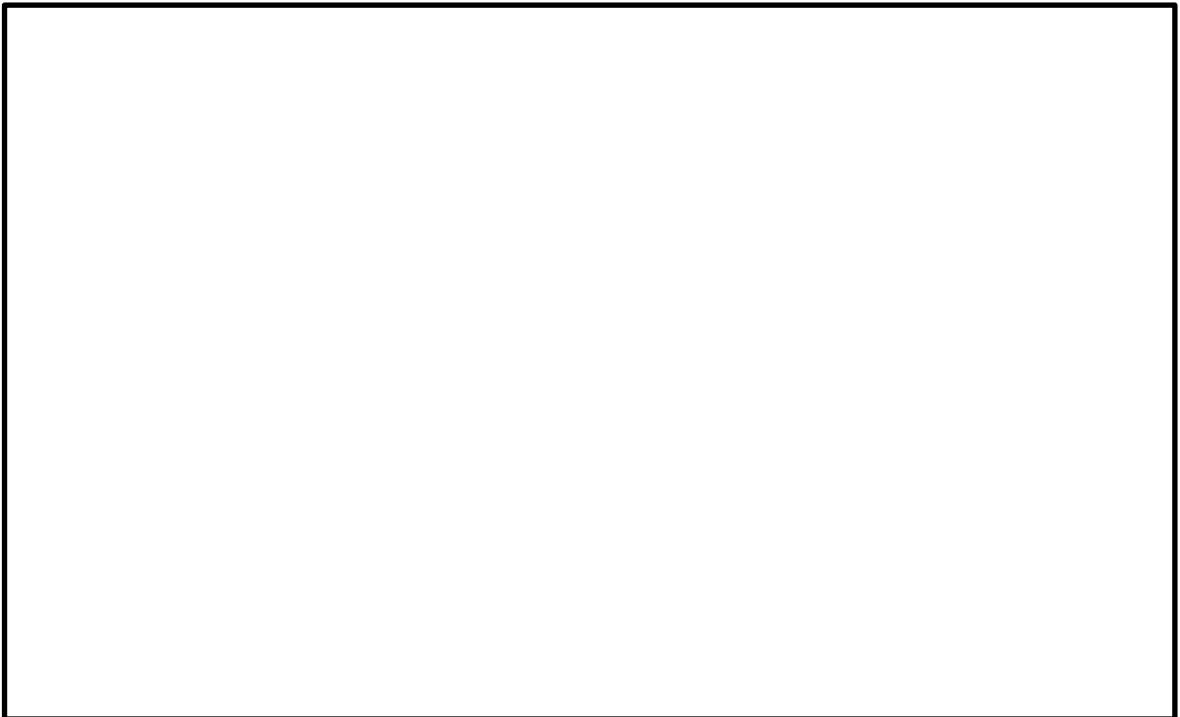
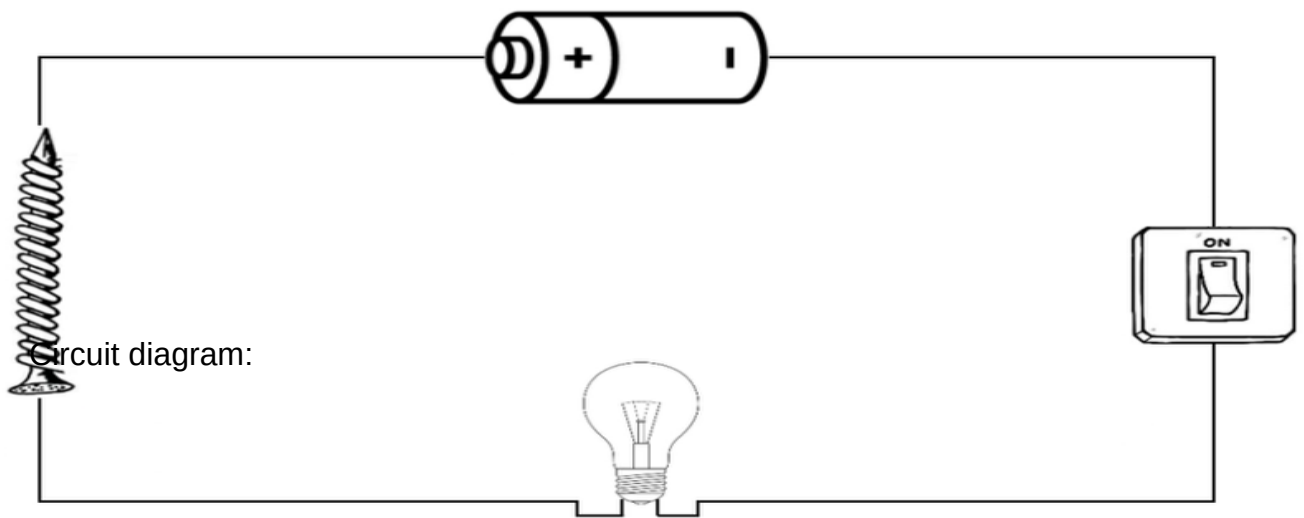
QUESTION 3

Match the word in column A with the symbol in column B. Write down the letter from column B for the component that matches the word in Column C

COLUMN A	COLUMN B	COLUMN C
1. Cell	A. 	
2. Cells in series	B. 	
3. Switch	C. 	
4. Light bulb	D. 	
5. Resistor	E. 	
6. Buzzer	F. 	
7. Conductive wire	G. 	

QUESTION 4

4.1 Draw this circuit diagram for the electromagnet using symbols.



4.2 State whether the following questions are **True or False**.

- a) Magnetic force is exerted in the space around a magnet_____
- b) Iron and steel are the only metals that are magnetic_____
- c) Electromagnets loses magnetism when the current is off._____
- d) The cell provides electrical energy to the circuit ._____
- e) A switch is an example of an energy consumer._____

(5)

[36]

SECTION B

QUESTION 5

A couple of years ago, some South Africans started a war against foreigners in the country claiming that they are taking their jobs and committing crimes. Goods were forcefully taken from the shops owned by foreign nationals and such shops then set alight.

In fear for their lives, these foreign people asked for refuge from the South African government and it was decided that refugee camps and temporary shelters will be built for them. Some of these foreigners for example fled to South Africa from Zimbabwe because of the current economic climate and others came to South Africa because of the fighting on the DRC. The Gift of Givers decided to put a hand and help in building shelters and providing food.



Gift of the Givers
FOUNDATION

5.1 What is a refugee?

(2)

5.2 Provide two reasons why people moved from their own country to seek refuge in South Africa.

a) _____

b) _____

(2)

5.3 Name two natural disasters that can cause people to migrate.

a) _____

b) _____

(2)

5.4 What role will Gift of the Givers play in assisting refugees?

(1) [7]

QUESTION 6

6.1 Draw a single vanishing point perspective of the municipal building below where some of the refugees will be housed.



X



Criteria	Possible marks	Marks obtained
Correct technique used and labeled VP	2	
All construction lines are evident. Vertical and horizontal lines are correct	3	
Neatness	1	
TOTAL	6	

[6]

QUESTION 7

7.1 Are the following examples ferrous or non-ferrous metals?

	Metals	Ferrous or non-ferrous
7.1.1	Iron	
7.1.2	Alloy	
7.1.3	Copper	

(3)

7.2 Which kinds of metal, ferrous or non-ferrous, will rust?

(1)

7.3 What is recycling? Give a short definition.

 (2)

7.4 Name two waste products that you can collect at your school/home for recycling.

a) _____

b) _____ (1)

[7]

QUESTION 8

Answer the following questions.

8.1 Firefighters wear suits made from fire-retardant materials. Why is this important?

 (1)

8.2 Name one man-made textile that is used to make protective clothing for firefighters.

(1)

8.3 Are the following questions true or false?

a) Life jackets are made of PVC or plastic that are completely waterproof

(1)

b) The jacket and trousers of firefighters are made from fire-retardant materials that protects the body from cuts and abrasions.

(1)

[4]

TOTAL: 60 MARKS