



VHEMBE WEST
DISTRICT

GRADE 07

TECHNOLOGY

2024 NOVEMBER MARKING GUIDELINE

MEMORANDUM

MARKS: 60

This **MEMORANDUM** consists of **FOUR (04)** pages including the cover.

SECTION A 18 MARKS

QUESTION 1

- 1.1 A✓
- 1.2 B✓
- 1.3 B✓
- 1.4 A✓
- 1.5 B✓
- 1.6 C ✓

(6)

QUESTION 2

- 1. G✓
- 2. D✓
- 3. F✓
- 4. E✓
- 5. A✓
- 6. B✓
- 7. C✓

(7)

QUESTION 3

3.1 TRUE✓

3.2 TRUE✓

3.3 FALSE✓

3.4 FALSE✓

3.5 TRUE✓

(5)

SECTION B 24 MARKS

4.1.1

Refugee is someone who flee from in his or her own country. ✓✓

Nutritious food if food that is able to nourish the body, allowing the body to function at its best. ✓✓ (4)

4.1.2

- Natural disaster✓
- Environmental deterioration✓
- Poverty or Economic Crisis✓
- War✓

(4)

4.1.3 Any four

- Shelter must be lightweight ✓
- It should be safe and sturdy✓
- It must be large enough for the family✓
- It must be easy to transport and to assembly✓
- It must be easy to pack after use✓
- It must be water proof and suitable for weather conditions✓

(4)

4.1.4

Food type	Suitable/unsuitable	Reason
Bread	Suitable ✓	Inexpensive ✓
Butter	unsuitable ✓	Expensive ✓

4.2

a) Kevlar is an extremely strong fabric related to nylon✓✓ or

(2)

- It is tough and durable✓✓ or
- Does not wear or tear✓✓ or
- It has no melting point ✓✓

- b) Nomex is strong and durable ✓✓ or (2)
- Is comfortable to wear ✓✓ or
 - It shows signs of burning at the temperature of above 350°C ✓✓

4.3 Any two.

- One life is worn for the people entering the sea ✓✓ (4)
- The jacket is bulky and clumsy ✓✓ or
- They need a life jacket that will only inflate if they land in the sea ✓✓

SECTION C 18 MARKS

QUESTION 5

5.1 **Recycling** is converting used materials into new products ✓✓ (2)

5.2

5.2.1 Non-ferrous ✓

5.2.2 Ferrous ✓

5.2.3 Non-ferrous ✓

5.2.4 Ferrous ✓ (4)

5.3 Any of the following answers (2)

- Business interruptions, such as telephone lines will not work ✓✓
- Electrical blackouts (there will be no electricity) ✓✓ or
- Damage to economy (copper is very expensive to replace) ✓✓

5.4 Learner's opinion: Examples are papers, cans, bottles etc. ✓✓ (2)

QUESTION 6

6.1 **Any three**

- A frame structure ✓
- Strong and rigid ✓
- Reinforced using triangulation ✓
- Able to carry the weight of electromagnet and metals that will cling to it ✓
- It must pivot ✓
- Must work with a crank and a pulley system ✓
- Able to raise and lower its arm ✓ (3)

6.2 A learner will design....

(3)

- Crane with electromagnet ✓
- The crane should separate metals (ferrous and non-ferrous) ✓
- Used by Scrap metal dealer ✓

6.3 **Any answer**

- Less waste dumped ✓✓ or
- Less visual and physical pollution ✓✓

(2)