

Name of the Pupil _____

Assessment Number _____

Region _____

District _____

**THE UNITED REPUBLIC OF TANZANIA
NATIONAL EXAMINATIONS COUNCIL OF TANZANIA
STANDARD FOUR NATIONAL ASSESSMENT**

05E

SCIENCE AND TECHNOLOGY

Time: 1:30 Hours

Year: 2024

Instructions

1. This paper consists of sections A and B with a total of **five (5)** questions.
2. Answer **all** questions in each section.
3. All answers must be written in the spaces provided in each question.
4. All writing must be in **black** or **blue** ink **except** diagrams which must be in pencil.
5. Communication devices and any unauthorised materials are **not** allowed in the assessment room.
6. Write your **Name, Assessment Number, Region** and **District** in the space at the right top of every page.

FOR ASSESSOR'S USE ONLY		
QUESTION NUMBER	SCORE	ASSESSOR'S INITIALS
1		
2		
3		
4		
5		
TOTAL		
CHECKER'S INITIALS		



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SECTION A (30 Marks)

Answer **all** questions in this section.

1. Answer items (i) - (v) by choosing the letter of the correct answer and write it in the box provided.

(i) Which ones are the characteristics of living things?

- A Movement, living and drinking
- B Transpiration, death and reproduction
- C Reproduction, movement and growth
- D Death, reproduction and transpiration

(ii) Due to environmental changes there is a great increase in natural disasters that destroy the environment. What are those disasters?

- A Earthquakes, floods and storm
- B Floods, cutting trees and storm
- C Agriculture, floods and heavy rain
- D Earthquakes, storm and agriculture

(iii) Assume you are walking along the road heading home when there is heavy rain accompanied with thunder. What precaution do you have to take?

- A Not to stand under trees
- B To walk faster
- C To protect yourself with an umbrella
- D To call for elders

(iv) Amani was surprised to see ice floating in water. What caused ice to float in water?

- A Water was lighter than ice
- B Ice was lighter than water
- C The volume of ice and water was equal
- D The weight of ice and water was equal

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(v) Teacher Ufura wants to change water from liquid to gaseous state. Which method does she required to use?

- A Freezing
- B Boiling
- C Filtering
- D Melting



2. Answer items (i) - (v) by matching the given statements about the categories of food nutrients in **List A** with the names of respective nutrients in **List B**. Write the letter of the correct answer in the bracket provided.

List A	Answer	List B
(i) Nutrients that provides the body with energy.	()	A Minerals and water
(ii) Nutrients that helps the body to grow.	()	B Fats
(iii) Nutrients that are found in various fruits.	()	C Carbohydrates
(iv) Nutrients that provides the body with heat and energy.	()	D Vitamins
(v) Nutrients that strengthen bones and regulate body temperature.	()	E Fats and minerals
		F Protein
		G Protein and carbohydrates

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3. Answer items (i) - (v) by choosing the correct answer from the box and write it in the space provided.

speaker, screen, volume button, battery, antenna, electrical wire, socket

- (i) In which device is a television electrical plug inserted?

- (ii) Which part of the radio is used to receive signals?

- (iii) Which part of the radio is used to increase and reduce sound?

- (iv) Which part of the radio is used to produce sound?

- (v) Which part of the television is used to display pictures?

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SECTION B (20 Marks)

Answer **all** questions in this section.

4. Read the following passage and answer the questions that follow.

People living with HIV/AIDS are supposed to eat a balanced diet. Such diet provides the body with all the required nutrients. Such nutrients give energy to the body, repair worn out body parts and increase body immunity. The function of the body immunity is to enable the body to fight against opportunistic diseases such as diarrhoea, tuberculosis, fungus and rashes. These diseases are caused by low body immunity. However, it is advised that a person living with HIV/AIDS should eat watery food to recover the water lost in the body.

Questions

- (a) What kind of a diet is advised to HIV/AIDS victim?

- (b) What is the function of nutrients in the body? Give two functions.

(i) _____

(ii) _____

- (c) Identify two opportunistic diseases that a HIV/AIDS person may acquire.

(i) _____

(ii) _____

- (d) Why HIV/AIDS victim get opportunistic diseases?

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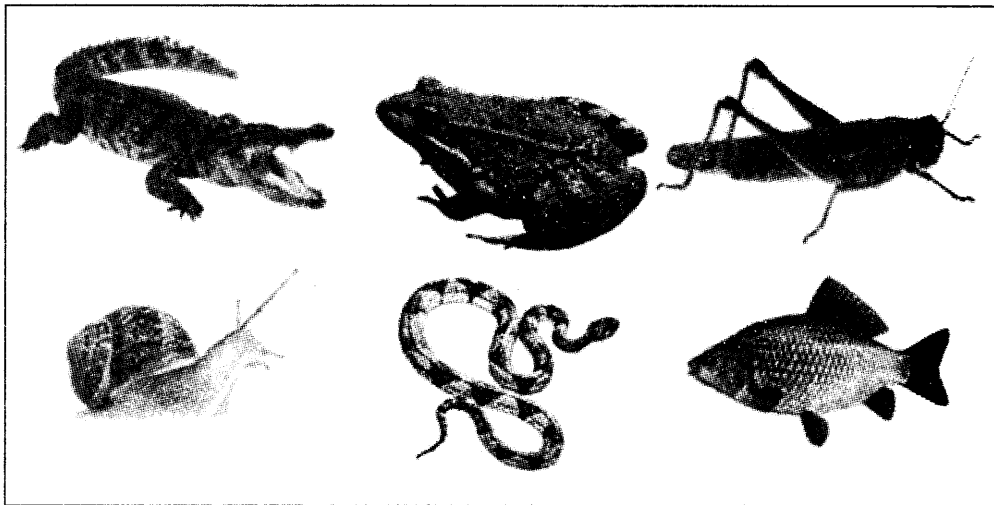
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- (e) Why is it advised for a HIV/AIDS victim be given more watery food? Give one reason.

5. Observe the animals shown in the pictures and answer the questions that follow:



Questions

- (a) Identify two animals that move by jumping.

(i) _____

(ii) _____

- (b) Identify the crawling animal which has dangerous poison.

- (c) Which animal has hard shell in its body?

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(d) What is an advantage of a hard shell for the animal that you have mentioned in item (c). Give one advantage.

(e) Which animal dies within short period of time after being removed from its original environment? _____

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