

Pupil's Assessment Number:.....

THE UNITED REPUBLIC OF TANZANIA
THE NATIONAL EXAMINATIONAL COUNCIL OF TANZANIA
STANDARD FOUR NATIONAL ASSESSMENT
05E **SCIENCE AND TECHNOLOGY**

Time: 1:30 Hours **Thursday, 26th November 2020 a.m**

Instructions

1. This paper consists of two sections A, and B with five (05) questions.
2. Answer **all** questions.

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

SECTION A: MULTIPLE CHOICE AND MATCHING ITEMS

1. Choose the correct answer and write its letter in the box provided:

i) Foods that are rich in vitamins and proteins are

- A. milk, meat and fish.
- B. tomato, onion and carrot.
- C. mango, fish and carrot.
- D. fish, rice and maize.

ii) Which type of food provides energy to the body?

- A. Cassava
- B. Fish
- C. Milk
- D. Fruit

iii) Which food nutrients are found in milk?

- A. Protein and vitamin
- B. Fat and vitamin
- C. Carbohydrate and fat
- D. Protein and fat.

iv) What is the function of food rich in protein?

- A. To give the body energy and heat
- B. To build and repair the body
- C. To give the body heat and mineral
- D. To build and protect the body.

v) The following diseases are caused by eating contaminated food, **except**

- A. Typhoid
- B. Diarrhea
- C. Cholera
- D. Malaria

2. Answer items (i) - (v) by matching statements on the actions of environmental destruction in **List A** with their corresponding meaning in **List B**. Write the letter of the correct answer in the given brackets.

List A	Letters	List B
(i) Pouring chemicals and garbage into ponds and rivers	(...)	A. Environmentaldestruction B. Air pollution
(ii) Keeping many animals in a small piece of land	(...)	C. water pollution D. soil erosion
(iii) The result of water, air and land pollution.	(...)	E. soil become fertile
(iv) Spreading of garbageand chemicals into thesoil	(...)	F. land pollution G. increased amount of
(v) Increased smoke anddust in the atmosphere.	(...)	rainfall.

SECTION B

3. Answer item (i) – (v) by choosing the correct word from the box and write it in the space provided.

reflection, refraction, absorption, blocking, dispersion, penetration

- i) What happens when light passes through one medium to another?

- ii) What happens when light meets a transparent object?

- iii) What happens when light hits a shinning object?

- iv) What happens when light hits a black coloured object?

v) What happens when the light meets drops of water in the air?

4. You are given steps A - E of the digestion process in the alimentary canal. Arrange the steps by **writing sentences** in good serial order. Write the sentences in the space provided.

- A. The faeces get out of the body through the anus
- B. Food is digested and absorbed in the small intestine
- C. Food enters in the mouth.
- D. Food passes through the gullet/oesophagus to the stomach.
- E. Water and minerals are absorbed in the large intestine and leave food leftovers

Steps	Answers
(i) Step 1	
(ii) Step 2	
(iii) Step 3	
(iv) Step 4	
(v) Step 5	

5. Observe the following pictures and then answer the questions that follow:



Questions

a) Which two devices represent modern ways of communication?

i) _____

ii) _____

b) Which two devices are used as traditional ways of communication?

i) _____

ii) _____

c) Which device is not used in communication?

d) How is the device with antenna useful in daily life?

e) Which device gives information without producing sound?
