

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

05E

SCIENCE AND TECHNOLOGY

Time: 1:30 Hours.

SOLUTIONS

Year: 2018

Instructions

1. This paper consists of sections A and B with a total of **five (5)** questions
2. Answer all questions

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SECTION A: MULTIPLE CHOICE AND MATCHING ITEMS

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

i) Which is the group of living organism only?

- A. Leaf, bird and stone
- B. Cat, tree and chicken
- C. Cat, tree and chicken
- D. Cat, tree and chicken

The correct answer is B. Cat, tree and chicken. All listed items are living organisms because they grow, respire, and reproduce.

ii) Oxygen gas helps to burn food so as to get

- A. energy
- B. smoke
- C. vapour
- D. air.

The correct answer is A. energy. Oxygen helps in the burning of food in the body to release energy needed for growth and daily activities.

iii) Why is it important to clean our bodies:

- A. To prevent diseases.
- B. To smear with oil.
- C. To make skin look good.
- D. To give the body fresh air

The correct answer is A. To prevent diseases. Cleaning the body removes germs and dirt that can cause illness.

iv) Which ones are the harmful effects of environment destruction?

- A. Disappearance of insects
- B. Spread of dusts
- C. Increasing of animals
- D. Occurrence of diseases

The correct answer is D. Occurrence of diseases. Environmental destruction leads to pollution which increases the spread of diseases.

v) What is the importance of water to living things?

- A. Transport of nutrients
- B. Synthesis of food
- C. To dissolve nutrient
- D. To stop thirsty.

The correct answer is A. Transport of nutrients. Water helps in carrying nutrients to different parts of living organisms.

2. Answer items (i) to (v) by matching statements about parts of television in List A with their corresponding parts in List B. Write the letter of the correct answer in the brackets given.

List A

- (i) A part which displays pictures and texts in the television. []
- (ii) A part which produces sound in the television so as to get a message. []
- (iii) A part used for commanding television at distant. []
- (iv) A part which picks up signals from the air. []
- (v) A part which transfers electric power from the socket to the television. []

List B

- A. Remote
- B. Buttons

- C. Switch
- D. Wire
- E. Speaker
- F. Antenna
- G. Screen

- (i) The correct answer is G. Screen. The screen shows pictures and texts.
- (ii) The correct answer is E. Speaker. The speaker produces sound.
- (iii) The correct answer is A. Remote. The remote is used to control the television from a distance.
- (iv) The correct answer is F. Antenna. The antenna receives signals from the air.
- (v) The correct answer is D. Wire. The wire transfers electric power to the television.

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

Charger, SIM card, screen, antenna, microphone, battery

i) Which part is used to display names and numbers in the telephone? _____

The correct answer is screen. The screen shows numbers, names, and messages.

ii) The part which receives the picture and sound waves is known as _____

The correct answer is antenna. The antenna receives signals from the network.

iii) What is the name of the part that is used for entering electrical power to the telephone? _____

The correct answer is charger. The charger supplies electrical power to the phone.

iv) Which part keeps electrical power in the telephone? _____

The correct answer is battery. The battery stores electrical power.

v) What part is used to connect the telephone to the cellular network? _____

The correct answer is SIM card. The SIM card connects the phone to the mobile network.

SECTION B

4. You are given the steps A - E for washing socks. Arrange the step in sequence from the first to the last step by writing the required sentence in the space provided.

A. Rinse the socket with clean water to remove the soap.

B. Knead well the upper and lower parts of the socks.

C. Hung the socks on the rope to dry up.

D. Put the socks in the basin with clean water and soap them.

E. Prepare clean water and soap.

Step 1

The correct answer is E. Prepare clean water and soap. This is the first requirement before washing.

Step 2

The correct answer is D. Put the socks in the basin with clean water and soap them. This allows washing to begin.

Step 3

The correct answer is B. Knead well the upper and lower parts of the socks. This removes dirt effectively.

Step 4

The correct answer is A. Rinse the socks with clean water to remove the soap. This cleans off all soap.

Step 5

The correct answer is C. Hung the socks on the rope to dry up. This completes the washing process.

5. Study the following pictures and then answer the questions that follow.

i) Mention the activity done by the two people floating in the water?

The activity is swimming. The people are floating and moving in water for recreation or transport.

ii) Apart from human being, what other animal is floating on water.

The animal is a rat. Rats are common animals that can float on water.

iii) Which disease can be spread by the floating animals?

The disease is bilharzia. It is spread through contaminated water.

iv) Mention the symptom of the disease you mentioned.

The first symptom is stomach pain.

The second symptom is blood in urine or stool.

v) Which organs of the body are affected by that disease?

The organs affected are the bladder and intestines.