



## SECTION A (Marks 30)

Answer all questions in this section.

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

(i) Which are the characteristics of living things?

- A. Movement, living and sucking
- B. Transpiration, dying and reproduction
- C. Reproduction, movement and growth
- D. Dying, reproduction and transpiration

The correct answer is **C. Reproduction, movement and growth**. These are the main characteristics of living things because all living organisms are able to reproduce, grow, and show movement or response in their environment.

(ii) Due to climate change, there has been a great increase in natural disasters that destroy the environment. Which disasters are these?

- A. Earthquake, floods and cyclone
- B. Floods, deforestation and cyclone
- C. Farming, floods and heavy rainfall
- D. Earthquake, cyclone and farming

The correct answer is **A. Earthquake, floods and cyclone**. These are natural disasters that occur without human control and greatly affect the environment and human life.

(iii) Imagine you are walking along the road going home while heavy rain is falling. Which precaution should you take?

- A. Not standing under trees
- B. Walking fast
- C. Protecting yourself with an umbrella
- D. Calling adults

The correct answer is **A. Not standing under trees**. Trees may fall or be struck by lightning during heavy rain and cause danger to life.

(iv) Amani was surprised to see ice floating on water. What causes ice to float on water?

- A. Water was lighter than ice
- B. Ice was lighter than water
- C. The weight of ice and water was the same
- D. The weight of ice and water was the same

The correct answer is **B. Ice was lighter than water**. Ice has a lower density than water, which is why it floats.

(v) Teacher Utun wants to change water from the liquid state to vapour. Which method should be used?

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

The correct answer is **B. Boiling**. Boiling causes water to change from the liquid state to the gaseous state, which is vapour.

2. Answer items (i) to (v) by matching the descriptions of food nutrient groups in List A with the names of the respective nutrients in List B. Write the letter of the correct answer in the brackets provided.

List A

- (i) Nutrients that provide the body with energy
- (ii) Nutrients that help the body to grow
- (iii) Nutrients found in different fruits

(iv) Nutrients that provide the body with heat and energy

(v) Nutrients that strengthen bones and regulate body temperature

List B

A. Minerals and water

B. Fats

C. Carbohydrates

D. Vitamins

E. Fats and minerals

F. Proteins

G. Proteins and carbohydrates

(i) The correct answer is **C. Carbohydrates**. Carbohydrates are the main source of energy for the human body.

(ii) The correct answer is **F. Proteins**. Proteins help in body growth and tissue building.

(iii) The correct answer is **D. Vitamins**. Fruits contain important vitamins needed for good health.

(iv) The correct answer is **B. Fats**. Fats provide heat and energy to the body.

(v) The correct answer is **A. Minerals and water**. Minerals strengthen bones while water helps regulate body temperature.

#### SECTION A (Marks 30)

Answer all questions in this section.

3. Answer items (i) to (v) by choosing the correct word from the box and writing it in the space provided.

speaker, screen, volume button, battery, antenna, power cable, socket

(i) Where is the television power plug connected?

The answer is **socket**. The television power plug is inserted into a socket to allow electricity to enter the device and enable it to work.

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

The answer is **antenna**. The antenna receives radio signals from the air and sends them into the radio.

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

The answer is **volume button**. The volume button controls the sound level by increasing or decreasing it.

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

The answer is **speaker**. The speaker converts electrical signals into audible sound.

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

The answer is **screen**. The screen displays pictures and text from the television signals.

## SECTION B (Marks 20)

Answer all questions in this section.

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

People living with HIV/AIDS are advised to eat a balanced diet. This diet provides the body with all the required nutrients. These nutrients increase body strength, repair damaged body parts, and strengthen the immune system. The role of the immune system is to enable the body to fight opportunistic diseases such as diarrhoea, tuberculosis, fungal infections and skin rashes. These diseases attack the body through weak points. However, it is advised that a person living with HIV/AIDS should consume liquid foods to replace the water lost in the body.

### Questions

(a) What type of diet is recommended for people living with HIV/AIDS?

The recommended diet is **a balanced diet**. A balanced diet contains all essential nutrients that help strengthen health, increase energy and improve immunity.

(b) What are the functions of nutrients in the body? Mention two.

(i) **Nutrients increase body strength**, helping a person perform daily activities and maintain good health.

(ii) **Nutrients repair damaged body parts**, helping restore tissues and cells damaged by disease or fatigue.

(c) Mention opportunistic diseases that a person living with HIV/AIDS may get.

(i) **Tuberculosis**, a disease that attacks the lungs and is very dangerous to people with weak immunity.

(ii) **Diarrhoea**, which causes excessive loss of water and nutrients from the body.

(d) Why do people living with HIV/AIDS get opportunistic diseases?

Because **their immune system is weak**. When immunity is weakened, the body fails to fight disease-causing organisms.

(e) Why are people living with HIV/AIDS advised to take more liquid foods? Give one reason.

Because **liquid foods help replace water lost from the body**, especially during diarrhoea or fever which cause dehydration.

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

(a) Identify two animals that move by jumping.

(i) **Frog**. A frog moves by jumping using its strong hind legs, enabling it to move quickly on land and in water.

(ii) **Grasshopper**. A grasshopper jumps using its powerful hind legs, helping it escape danger and travel long distances.

(b) Identify a crawling animal that has strong poison.

The animal is **a snake**. A snake has strong venom used for defence and for weakening or killing prey.

(c) Which animal has a hard shell on its body?

The animal is **a snail**. A snail has a hard shell that covers its soft body.

(d) What is the use of the hard shell to the animal mentioned in (c)? Mention one benefit.

The hard shell **protects the snail from enemies and dangerous environmental conditions**, helping it avoid attacks.

(e) Which animal dies shortly after being removed from its natural environment?

The animal is **a fish**. A fish dies quickly when removed from water because it needs water to breathe using its gills.