

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 device is used to store food to prevent it from spoiling?

- A. Cupboard
- B. Refrigerator
- C. Bottle
- D. Hot pot

B. Refrigerator

A refrigerator preserves food by keeping it cold, thus preventing rapid spoilage and decay.

(ii) Which set does not represent types of stoves?

- A. Charcoal stove, electric stove, and kerosene stove
- B. Electric stove, kerosene stove, and gas stove
- C. Charcoal stove, electric stove, and gas stove
- D. Electric stove, charcoal, and fire

D. Electric stove, charcoal, and fire

Charcoal and fire are not types of stoves but sources of energy.

(iii) Which device is used to measure the correct weight of sugar?

- A. Cup
- B. Plate
- C. Weighing scale
- D. Measuring cylinder

C. Weighing scale

A weighing scale is used to measure the correct weight of different items.

(iv) Which characteristic of living things differentiates plants from animals?

- A. Excretion
- B. Death
- C. Movement
- D. Growth

C. Movement

Animals show the ability to move from one place to another, unlike plants.

(v) What is the function of a machine?

- A. To make work easier
- B. To enable communication
- C. To produce goods
- D. To lift loads

A. To make work easier

Machines are made to make work lighter and faster.

2. Answer items (i) to (v) by matching the explanations about different concepts of heat energy in List A with the corresponding concepts in List B. Write the letter of the correct answer in the brackets.

List A

- (i) The way heat travels in metal (E)
- (ii) The spreading of heat in water (F)
- (iii) The way heat from the sun reaches the earth (D)
- (iv) Matter that transfers heat quickly (A)
- (v) A natural source of heat (B)

List B

A. Solid

B. Sun

D. Radiation

E. Conduction

F. Convection

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

Words: Oxygen, Food, Water, Air, Land, Carbon dioxide, Plants

(i) Which gas is used by plants as a raw material?

Carbon dioxide

(ii) What is the result of a mixture of different gases?

Air

(iii) What is the source of food for living organisms?

Plants

(iv) Which type of gas is directly needed by living organisms?

Oxygen

(v) What is the source of nutrients for various body functions?

Food

SECTION B (Marks 20)

Answer all questions in this section.

4. Read the following passage then answer items (i) to (v) by writing the correct answer in the space provided.

We may see the water we use as safe to the eyes, but it may not be safe for our health. This is because when water flows on the ground it carries soil and sometimes disease-causing germs. Therefore, we are advised to boil water to kill disease-causing organisms. After boiling, we should filter the water using a clean cloth to remove dirt. In addition, boiled and filtered water should be stored in a clean container with a lid to prevent contamination. Such water is now clean and safe.

(i) Why is it important to boil water?

It is important to boil water in order to kill disease-causing organisms.

(ii) How do water get germs?

Water gets germs when it flows on the ground and carries soil and microorganisms.

(iii) What should be done to make water clean and safe?

Water must be boiled and filtered using a clean cloth.

(iv) Which device is used to filter water?

A clean cloth is used to filter water.

(v) Why is water stored in a container with a lid?

It is stored that way to prevent it from getting contaminated again.

5. Study the following pictures then answer items (a) to (e).

(a) What are the names of the tools shown in the pictures?

(i) Razor blade

(ii) Toothbrush

(b) Which disease can be transmitted due to sharing the use of these tools?

The disease that can be transmitted is AIDS.

(c) Which method is used to identify a person infected with the disease mentioned in item (b)?

The method is blood testing at a hospital.

(d) What other way can the disease mentioned in item (b) be transmitted?

Transmission can also occur through unprotected sexual intercourse.

(e) Why is it advised not to isolate a person suffering from the disease mentioned in item (b)?

Because the disease is not transmitted through sharing food or living together.