

Index Number: .....

## MAURITIUS EXAMINATIONS SYNDICATE

### Primary School Achievement Certificate Assessment Grade 5 Modular

2021-2022

Time: 1 hour

Total Marks: 50

#### INSTRUCTIONS TO CANDIDATES

1. Check that this assessment booklet contains **6** questions printed on **11** pages numbered 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 and 12.
2. Write your Index Number on the assessment booklet in the space provided above.
3. You should not use red, green or black ink in answering questions.
4. Write all your answers clearly in the assessment booklet.
5. Attempt all questions.

Question	Marking		Revision		Control	
	Marks	Sig	Marks	Sig	Marks	Sig
1						
2						
3						
4						
5						
6						
Total						
Sig (HoG)						

**QUESTION 1 (5 marks)**

Circle the letter which shows the correct answer.

1. Which part of a plant attracts insects for pollination?

**A** Flower

**B** Leaf

**C** Root

**D** Stem

2. The root of which plant is usually used as food?

**A** Carrot

**B** Grass

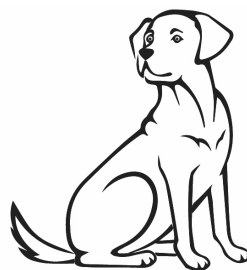
**C** Sugarcane

**D** Vetiver

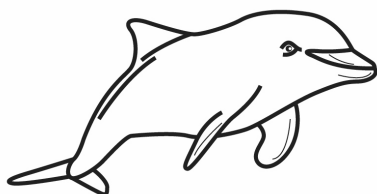
3. Which **one** of the following is an amphibian?



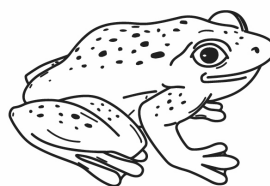
**A** Butterfly



**B** Dog



**C** Dolphin

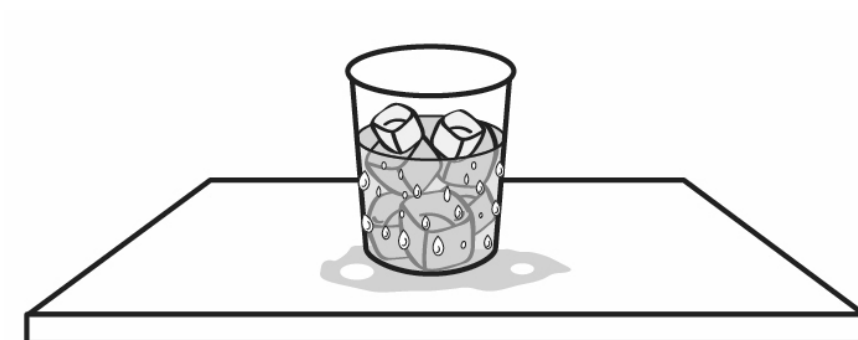


**D** Frog

4. Which **one** of the following objects is an electrical conductor?

- A Glass
- B Lollipop stick
- C Nail
- D Rubber band

5. **Diagram 1** shows a glass containing ice on a table.



**Diagram 1:** Glass of ice on a table

The ice will melt **fastest** when it is .....

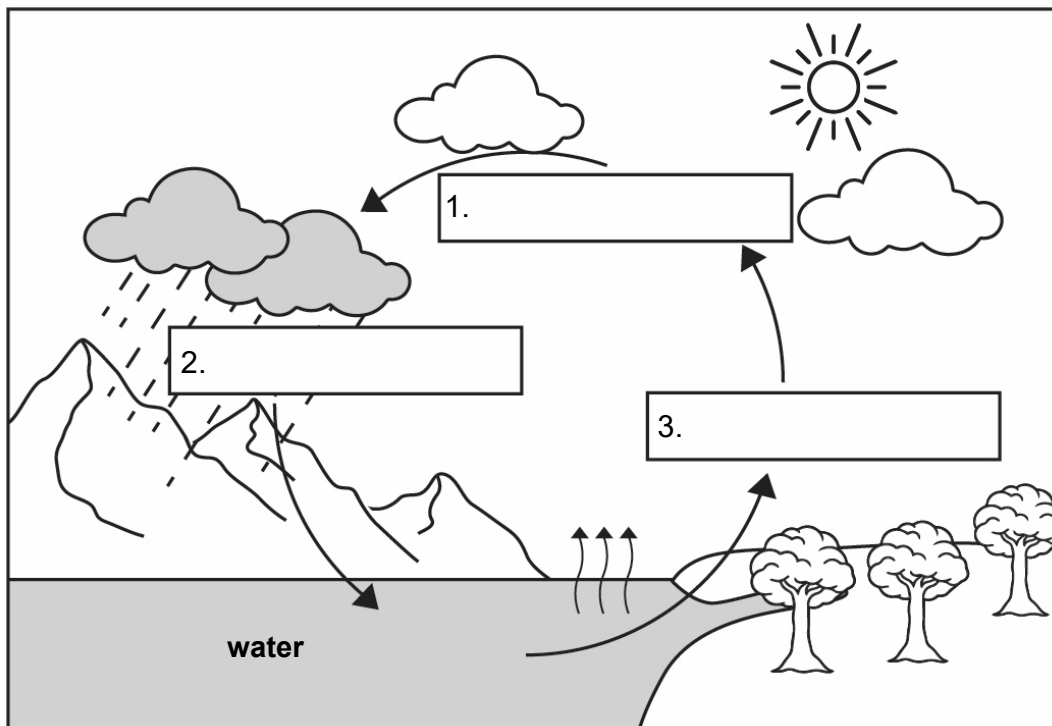
- A placed in a freezer
- B heated in a pan
- C placed in a refrigerator
- D left on the table

M
R
QC
CE

**QUESTION 2 (7 marks)**

- (a) Complete the water cycle shown in **Diagram 2** by filling the empty boxes with the appropriate word from the given list.

evaporation	freezing	condensation
	melting	precipitation



**Diagram 2:** Water cycle

- (b) Ice is water in its solid form.

[3]

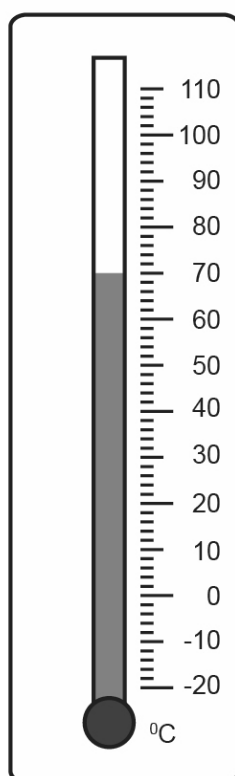
Give **two** properties of ice.

1. \_\_\_\_\_

2. \_\_\_\_\_

[2]

- (c) Instrument **A** in **Diagram 3** is used to measure temperature.



**Diagram 3: Instrument A**

- (i) Name instrument **A**.

\_\_\_\_\_

[1]

- (ii) Write down the temperature reading shown by instrument **A** in **Diagram 3**.

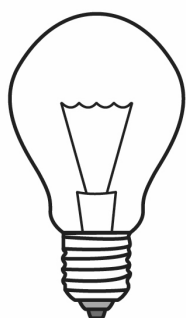
\_\_\_\_\_ °C

[1]

M
R
QC
CE

**QUESTION 3 (9 marks)**

- (a) The components used to construct a complete electric circuit are given below.



bulb



cell



two electric wires

- (i) Using **ALL** the given components, construct a complete (closed) electric circuit.



[3]

- (ii) Insert the signs (+) and (-) on the cell in your circuit.

[1]

- (iii) Will the bulb light up if the electric wire is replaced by a piece of cotton thread?

Explain your answer.

---

---

[2]

(b) What can be done to make the bulb light brighter?

\_\_\_\_\_ [1]

(c) Why are electric wires covered with plastic?

\_\_\_\_\_ [1]

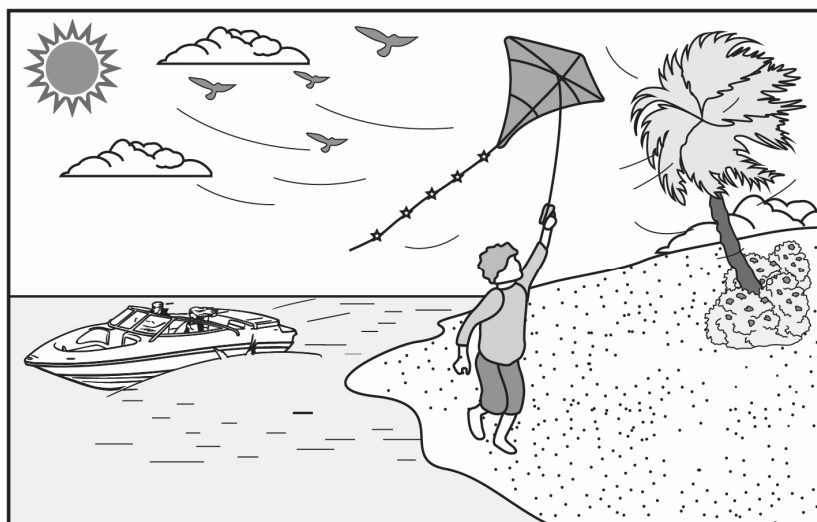
(d) Name the component that opens and closes a circuit.

\_\_\_\_\_ [1]

M
R
QC
CE

### QUESTION 4 (9 marks)

Study **Diagram 4** carefully.



**Diagram 4**

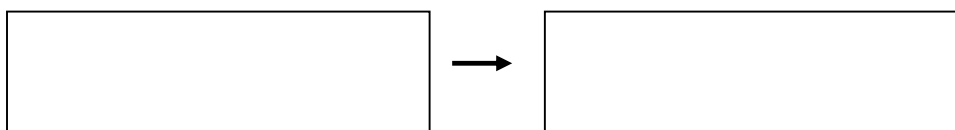
(a) (i) Write down **two** sources of energy in **Diagram 4**.

1. \_\_\_\_\_

2. \_\_\_\_\_

[2]

(ii) What transformation of energy takes place when a bird is flying?



[2]

- (b) Give **two** sources of energy used to produce electrical energy in thermal power stations in Mauritius.

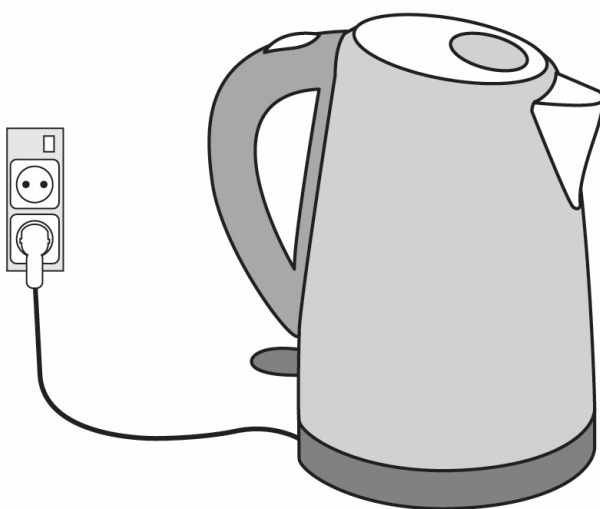
1. \_\_\_\_\_

[1]

2. \_\_\_\_\_

[1]

- (c) **Diagram 5** shows an electric kettle.



**Diagram 5:** An electric kettle

- (i) Complete the sentence below with an appropriate word.

In an electric kettle, electrical energy is transformed into \_\_\_\_\_ energy.

[1]

- (ii) Give **two** safety precautions to be taken while using an electric kettle.

1. \_\_\_\_\_

2. \_\_\_\_\_

[2]



**QUESTION 5 (9 marks)**

- (a) Complete the table below by naming the habitat where each of the following animals lives.

Animal	Habitat
Camel	
Fish	
Monkey	
Worm	

[4]

- (b) Tick (✓) the **two** birds which are **endemic** to Mauritius.



Crow

☐


Echo parakeet

☐


Pink Pigeon

☐


Sparrow

☐

[2]

- (c) The Government of Mauritius has declared the natural forests and some islets as nature reserves in order to protect endemic animals.

(i) Name an islet which is a nature reserve.

\_\_\_\_\_

[1]

(ii) Name an endemic animal which lives on the islet you mentioned in (c)(i).

\_\_\_\_\_

[1]

(iii) Give another way in which the Government of Mauritius is protecting endemic animals.

\_\_\_\_\_

\_\_\_\_\_

[1]

M
R
QC
CE

### QUESTION 6 (11 marks)

- (a) **Diagram 6** shows a tree trunk covered with moss and ferns.



**Diagram 6:** Tree trunk with moss and ferns

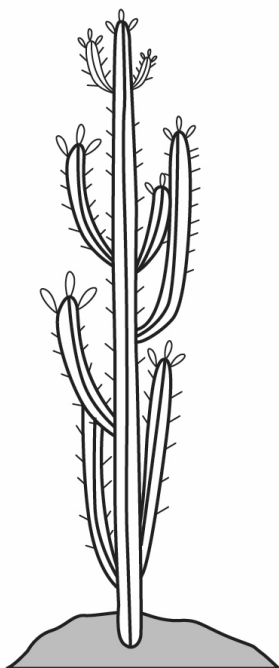
Give **two** characteristics of moss.

1. \_\_\_\_\_

2. \_\_\_\_\_

[2]

- (b) **Diagram 7** shows a cactus.



**Diagram 7:** A cactus

Give **two** features that allow the cactus to grow well in dry places like deserts.

1. \_\_\_\_\_
2. \_\_\_\_\_ [2]

- (c) Soil erosion is a serious problem for the environment.

- (i) Give **two** natural causes of soil erosion.

1. \_\_\_\_\_
2. \_\_\_\_\_ [2]

- (ii) Explain how soil erosion affects the environment.

\_\_\_\_\_  
\_\_\_\_\_ [2]

- (d) Two similar cups, **Cup A** and **Cup B**, are filled with soil. A bean seed is placed in each cup at the same time.

After some days, the seed in **Cup B** starts to germinate, but the seed in **Cup A** does not germinate, as shown in **Diagram 8**.



**Diagram 8:** Germination of seed after a few days

- (i) Suggest a reason why the seed in **Cup A** did not germinate.

\_\_\_\_\_

[1]

- (ii) Which part of a plant appears first during germination?

\_\_\_\_\_

[1]

- (iii) Why does the germinated seed in **Cup B** become smaller?

\_\_\_\_\_

[1]