

SC/II

CANDIDATE NUMBER:

**GUYANA
MINISTRY OF EDUCATION
NATIONAL GRADE SIX ASSESSMENT
2008**

**SCIENCE
PAPER II**

Reading Time: 10 minutes

Writing Time: 45 minutes

READ THESE INSTRUCTIONS CAREFULLY BEFORE YOU ATTEMPT TO ANSWER THE QUESTIONS.

- 1 **WRITE YOUR CANDIDATE NUMBER CLEARLY ON EACH PAGE.**

- 2 This paper contains **SIX** questions. You are required to answer **QUESTIONS ONE** and **THREE** others. **EACH** question is worth **5** marks.

Be sure to answer **FULLY** the **FOUR** questions.

- 3 Write your answer in the space **provided** in the booklet.

4. Drawings and handwriting **MUST** be clear at **ALL TIMES**.

5. Each step of your work **MUST** be **CLEARLY** shown in the booklet.

If you **have** to erase, do so cleanly.

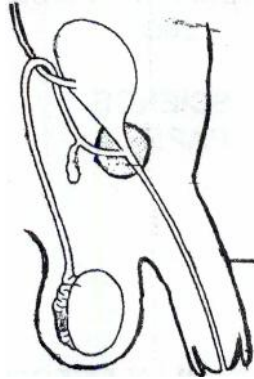
7. Look over your work when you **have** finished.

8. **DO NOT** take away **ANY** part of this question paper.

DO NOT TURNOVER THIS PAGE UNTIL YOU ARE TOLD TO DO SO.

QUESTION ONE IS COMPULSORY

Study the diagram below, then answer question 1.



- 1 (a) What system of the human body is shown above?

(1 mark)

- (b) Name the part labelled X.

(1 mark)

- (c) Name one function of the part labelled X.

1 mark)

- (d) (i)  How does the condom protect this organ from sexually transmitted infections?

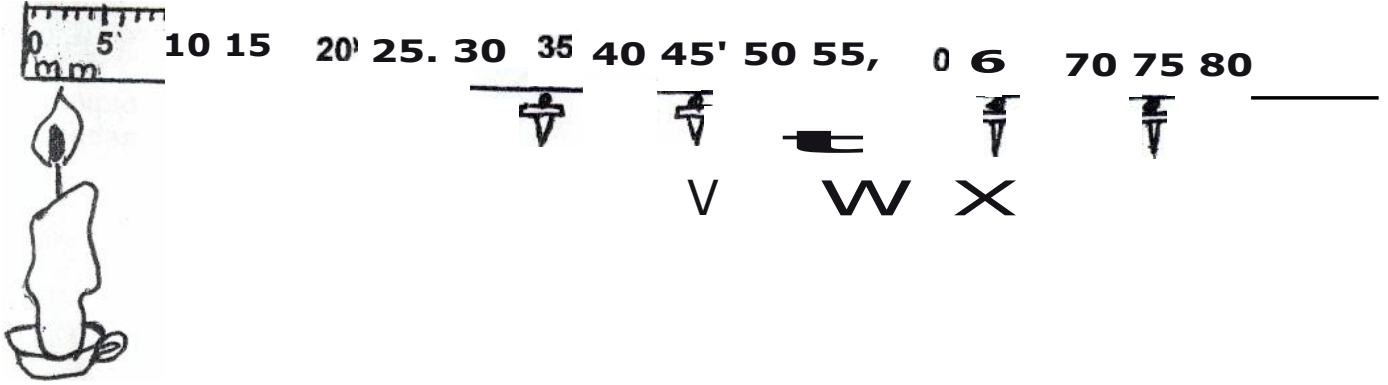
(1 mark)

- (ii) If a condom is not available, what must persons do to protect themselves from infections?

(1 mark)

Use the information below to answer question 2.

Sunita attached 6 tacks, labelled U to Z to a metal ruler using wax. She heated one end of the ruler. All of the tacks fell off eventually.



2. (a) Which tack fell off **first**?
- _____ (1 mark)
- (b) (i) Which tack took the **longest** to fall off the ruler?
- _____ (1 mark)
- (ii) Why was the tack named in (b) (i) the **last** to fall off?
- _____ (1 mark)
- (c) Name the process by which the heat was transferred to **all** the tacks?
- _____ (1 mark)
- (d) State **one** reason why a wooden ruler was **not** used.
- _____ (1 mark)

Study the diagram below, then answer question 3.

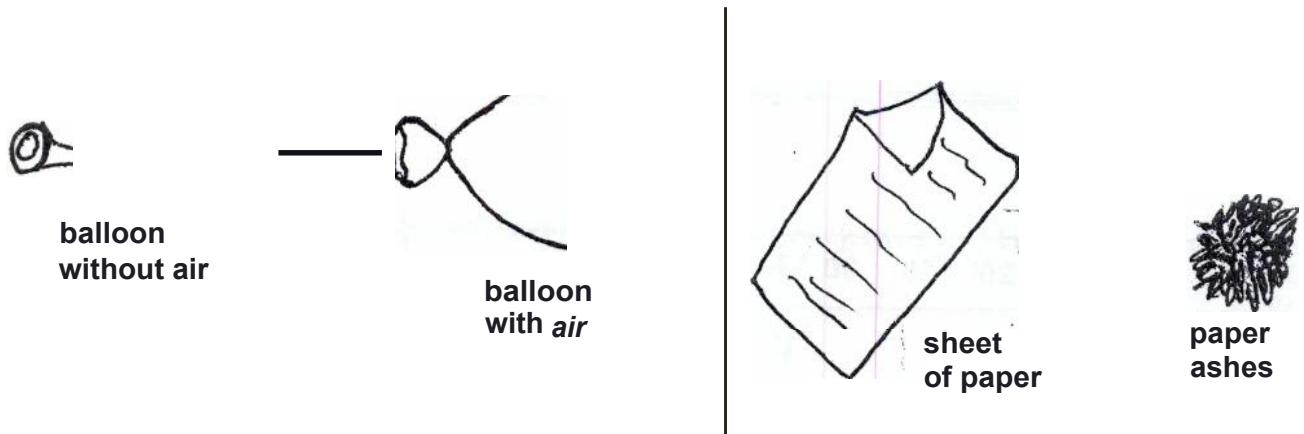


Diagram M

Diagram N

3: (a) (0) Which diagram shows a permanent change?

_____ (1 mark)

(ii) State why the diagram named at (a) (i) represents a permanent change.

_____ (1 mark)

(b) (i) Which diagram shows a physical change?

_____ (1 mark)

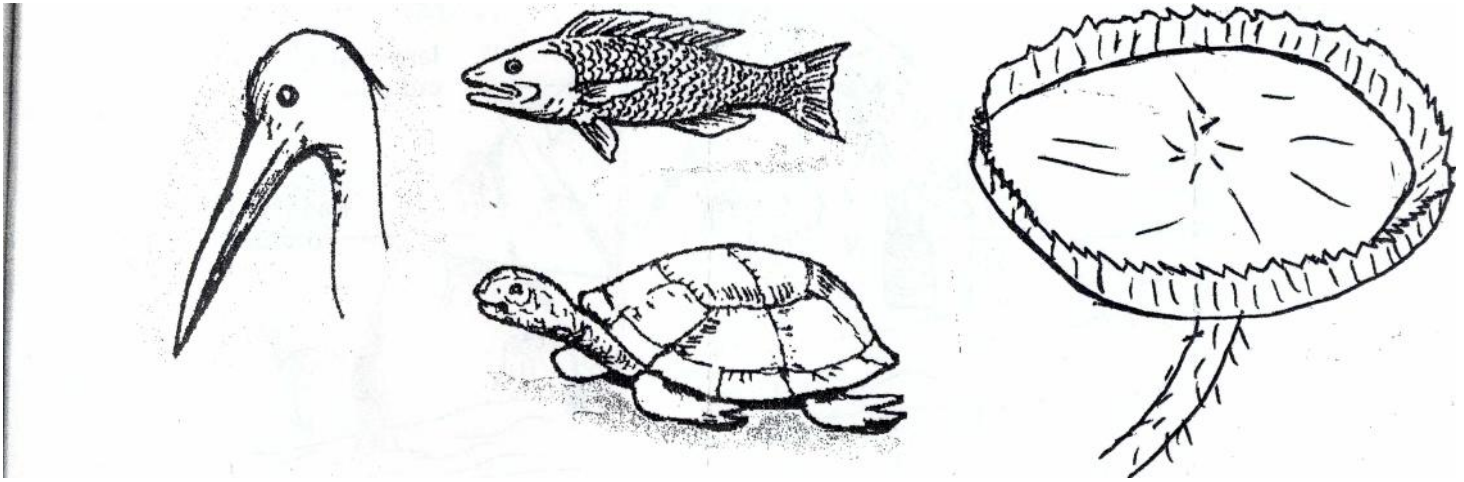
(ii) State one reason for your choice.

_____ (1 mark)

(c) Which material above is biodegradable?

_____ (1 mark)

Study the diagram below, then answer question 4.



4. (a) Name the feature of the turtle that helps it to survive a bush fire.

(1 mark)

(b) State the feature of the fish that helps it to move smoothly through the water.

(1 mark)

(c) Name **one** feature of the water lily that allows it to float on water.

(1 mark)

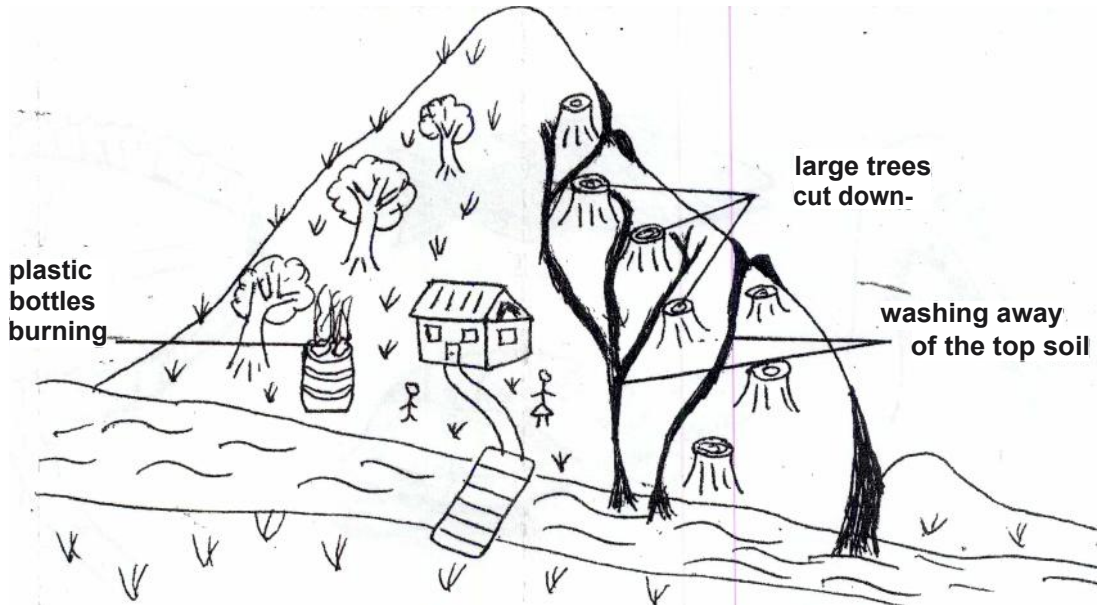
(d) Which of the animals above is adapted to living in **two** different habitats?

(1 mark)

(e) What does a bird with the type of beak shown above feed on?

(1 mark)

Study the diagram below, then answer question 5.



5 (a) Name the process by which the top soil is being washed down the hill.

_____ (1 mark)

(b) Name the activity in the diagram that led to the removal of the top soil.

_____ (1 mark)

(ii) How does this activity contribute to the washing away of the top soil?

_____ (1 mark)

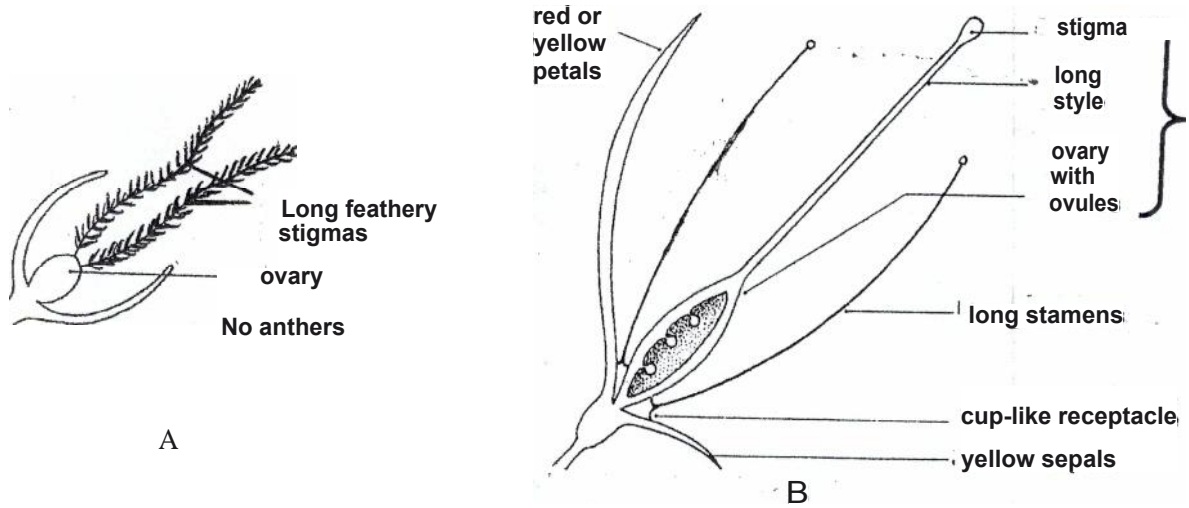
(c) What name is given to the process of harming the environment by burning plastic bottles?

_____ (1 mark)

(ii) Name the practice of making tiles with the plastic bottles instead of burning them?

_____ (1 mark)

Study the diagram below, then answer question 6.



6. (a) What name is given to the transfer of pollen grains from the anther to the stigma of a flower?

_____ (1 mark)

(b) State why self-pollination cannot be carried out by flower **A**.

_____ (1 mark)

(c) Give **one** reason why wind pollination would **most likely** occur in flower **A**.

_____ (1 mark)

(d) State **two** reasons why a flower like the one shown in diagram **B** would **most likely** be pollinated **by** insects.

(i) _____ (1 mark)

(ii) _____ (1 mark)

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2008
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CANDIDATE NUMBER.....

	MATH	SS	SC	Score
Questions				
1	COMPULSORY			<input type="text"/>
				<input type="text"/>
2				<input type="text"/>
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5				<input type="text"/>
6				<input type="text"/>
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Table Leader's Signature: