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MOPANI WEST DISTRICT

SENIOR PHASE

GRADE 8

NATURAL SCIENCES

TERM 1

BASELINE TEST

2024

MARKS: 50

DURATION: 1 HOUR

INSTRUCTIONS

1. The question paper consists of 2 sections and 5 questions.
2. Answer ALL questions in each section.
3. Answer ALL the questions in your answer book.
4. Number the answers correctly according to the numbering system used in this question paper.
5. Write neatly and legibly.

This Question Paper consists of Five (5) pages including the cover page.

SECTION A**QUESTION 1(MULTIPLE CHOICE QUESTIONS)**

Four options are provided as possible answers to the following questions. Each question has only ONE correct answer. Write only the letter (A-D) of the answer next to the question number (1.1-1.5) in the ANSWER SHEET.

1.1. Which one of these is NOT needed by all living things to survive?

- A. Water
- B. Hot Weather
- C. Energy
- D. Gases (1)

1.2. When young boys and girls reach an age where their sexual organs are fully mature.

- A. Puberty
- B. Menstruation
- C. Labour
- D. Variation (1)

1.3. All plants that reproduce using flowers are called

- A. Gymnosperms
- B. Pollination
- C. Germination
- D. Angiosperms (1)

1.4. The crust or outer part of the Earth is known as the ...

- A. Lithosphere
- B. Hydrosphere
- C. Biosphere
- D. Atmosphere. (1)

1.5. Animals that live entirely on land are.....

- A. Metamorphosis
- B. Amphibians
- C. Terrestrial
- D. Aquatic (1)

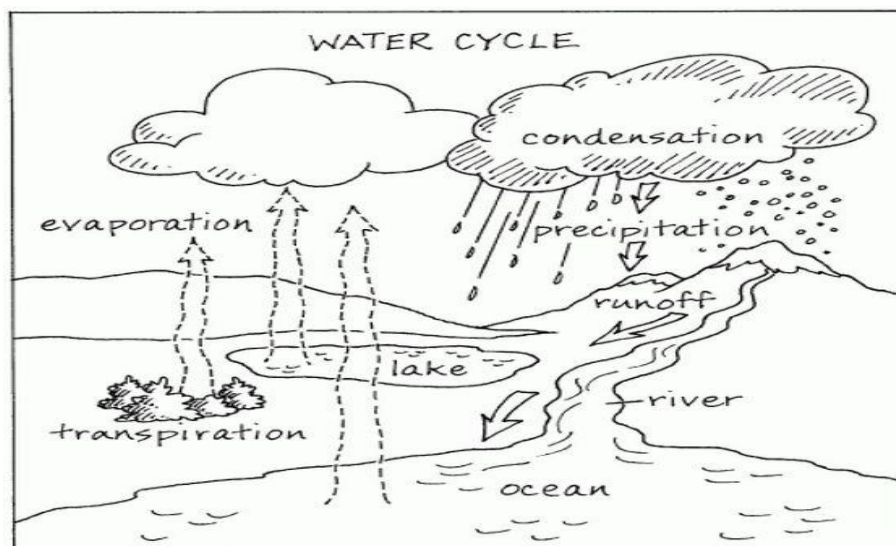
[5]

QUESTION 2**(MATCH STATEMENTS IN COLUMN A WITH ITEMS IN COLUMN B)**

COLUMN A	COLUMN B
2.1. Getting rid of wastes products produced during other processes.	A. Invertebrates
2.2. Living things that can make their own food.	B. Contraceptives
2.3. Animals that do not have a backbone.	C. Stamen
2.4. Male part of a flower.	D. Producers
2.5. Methods used to prevent pregnancy.	E. Vertebrates
	F. Excretion
	G. Ovary

[5]**TOTAL SECTION A: [10]****SECTION B****QUESTION 3**

3.1. Study the following diagram describing the water cycle on Earth. Answer the questions that follow.



3.1.1. The hydrosphere includes all water in all the states of matter. Look at the diagram of the water cycle and identify water in the different states of matter. (3)

3.1.2. Define Evaporation. (2)

[5]

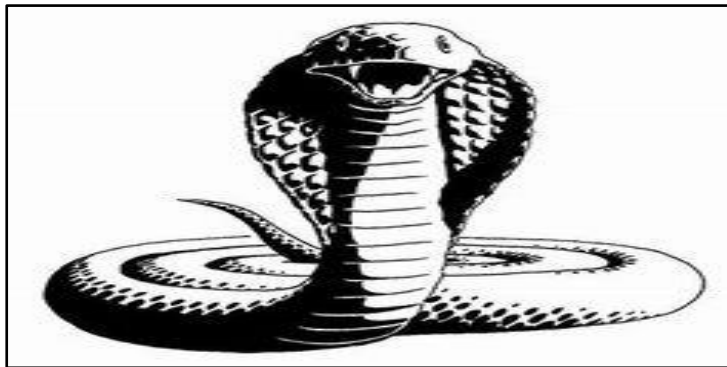
QUESTION 4

Study the following photograph of the Cape Cobra (Figure1).

Figure 1: Cape Cobra

4.1 Name the class of vertebrates to which the Cape Cobra belongs. (1)

4.2 Complete the table below by adding the missing characteristics of the Cape Cobra.



Characteristics of the Cape Cobra

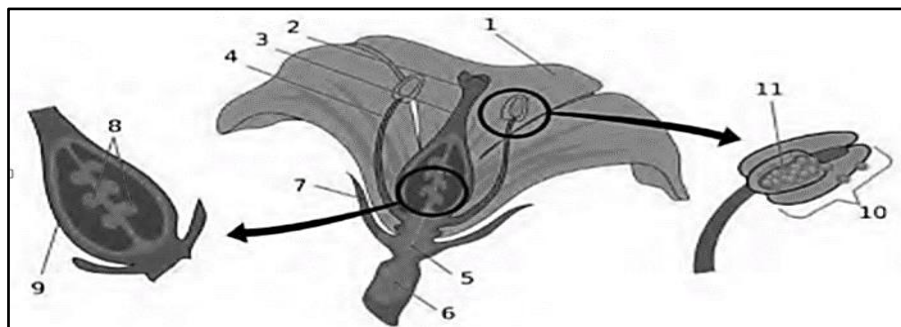
Body Covering	Locomotion	Breath Organs	Reproduction	Any adaptation in its environment
4.2.1	4.2.2	4.2.3	4.2.4	4.2.5

(5)

[6]

QUESTION 5

The structure below is an Angiosperm flower, which contains both the male and female parts. Answer the questions that follow:

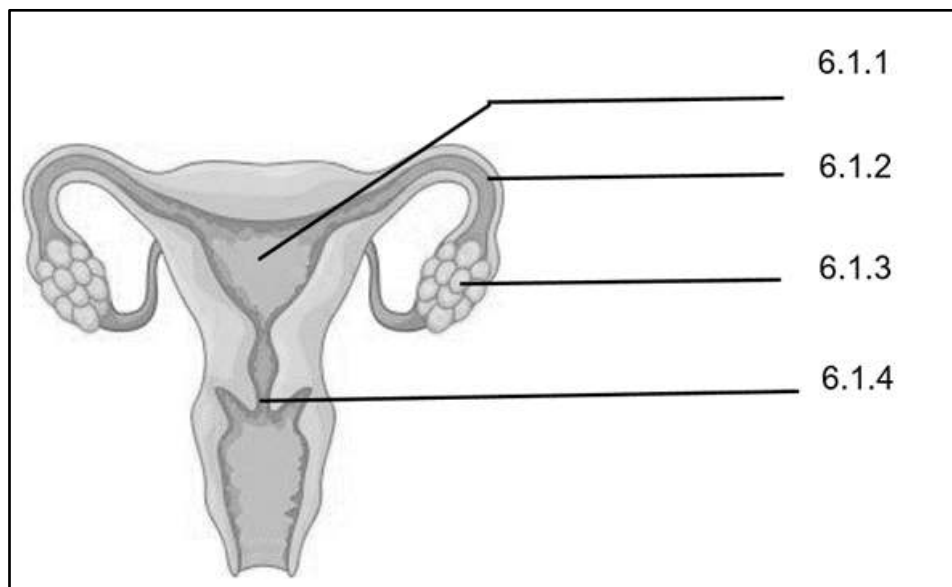


5.1. Define the term Pollination. (2)

- 5.2. Label part 2 and part 10 of the angiosperm flower. (2)
- 5.3. Which two processes need to occur before seeds can form? (2)
- 5.4. Give one function of part labelled 1. (1)
- 5.5. Explain why pollination is important for food production. (2)
- 5.6. List three ways in which the seeds of flowering plants may be dispersed. (3)

[12]**QUESTION 6**

The diagram below shows the female reproductive system.



- 6.1. Label part 6.1.1- 6.1.4 on the diagram and answer the questions that follow. (4)
- 6.2. Define the term Menstruation. (1)
- 6.3. Explain why a woman menstruates? (2)
- 6.4. On which day of the menstrual cycle does ovulation take place? (1)
- 6.5. Explain how you can protect yourself against STI's. (2)
- 6.6. What does HIV stand for? (1)
- 6.7. Suggest a reason why the use of a condom (male or female condom) is advocated even though the woman is using the oral contraceptive pill. (2)
- 6.8. In a table below write ONE physical change that a boy and a girl will Experience in puberty.

Boys	Girls

(2)

6.9. What is the hormone that causes these changes in girls? (1)

6.10. What is the hormone that causes these changes in boys? (1)

[17]**TOTAL SECTION B: 40****TOTAL MARKS [A+ B] =50**