



**HOIMA DIOCESE EXAMINATIONS BOARD**  
**PRIMARY SEVEN MOCK EXAMINATION**  
**2023**

**INTEGRATED SCIENCE**

***Time Allowed: 2 hours 15 minutes***

**Index No.**

|  |  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|--|
|  |  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|--|

**Candidate's Name:** .....

**Candidate's Signature:** .....

**School Name:** .....

**District:** .....

**Read the following instructions carefully:**

1. This paper has two sections: **A** and **B**.  
 Section **A** has **40** questions and section **B** has **15** questions. This paper has **14 printed pages**.
2. Answer **all** questions. **All** answers to both sections **A** and **B** must be written in the spaces provided.
3. **All** answers **must** be written using a **blue** or **black** ball point pen or ink. Any work written in pencil will **not** be marked.
4. Unnecessary **changes** in your work and handwriting that cannot be read easily may lead to **loss** of marks.
5. Do not fill anything in the boxes indicated **"For Examiners' Use only"** and boxes inside the question paper.

| FOR EXAMINERS' USE ONLY |       |           |
|-------------------------|-------|-----------|
| Qn. No.                 | MARKS | EXR'S NO. |
| 1 - 10                  |       |           |
| 11 - 20                 |       |           |
| 21 - 30                 |       |           |
| 31 - 40                 |       |           |
| 41 - 43                 |       |           |
| 44 - 46                 |       |           |
| 47 - 49                 |       |           |
| 50 - 52                 |       |           |
| 53 - 55                 |       |           |
| <b>TOTAL</b>            |       |           |

## SECTION A: 40 MARKS

Questions 1 to 40 carry one mark each.

1. Name the part of air which supports burning.  
.....
2. Give any **one** way of increasing the volume of blood in the body.  
.....
3. How is sweating important to the human body?  
.....
4. Why is a casualty advised not to burst blisters?  
.....
5. Which part of a flower receives pollen grains during pollination?  
.....
6. Mention **one** sign of poor sanitation in a home.  
.....
7. How is a duck billed platypus different from a bat in the way of reproduction?  
.....
8. Identify any **one** cause of dehydration.  
.....
9. Mention any **one** condition under which essential drugs should be stored.  
.....

The diagram below is a common instrument found at the weather station. Use it to answer questions 10 and 11.



10. Name the instrument above.



11. Give the use of the above instrument at the weather station.

12. State the biological way of controlling the breeding of mosquitoes.

13. Why do butterflies usually lay their eggs under the plant leaves?

14. Name the type of food digested in the mouth.

15. How are feelers related to a lateral line?

16. In which way is chemical change important in the environment?

17. State **one** reason for ironing clothes.

18. Why should a person who has taken poison be given plenty of fluids?

19. Give the form of natural fertilizer got from rotten animal wastes.

The diagram below shows a mushroom. Use it to answer questions 20 and 21.



20. Name the part labelled T.

21. How does the mushroom above feed?

22. Mention the class of food which is responsible for the strong bone formation.

23. How is an eagle able to spot its prey from far?

24. Give **one** example of asexual reproduction.

25. Which sexually transmitted disease causes pus discharge in the urethra of women?

26. Apart from sharing drugs, give **one** other way in which drugs are misused.

27. How are red blood cells important in the human body?

The diagram below shows a farm equipment. Use it to answer questions **28** and **29**.



**28.** Identify the farm equipment shown above.

**29.** How is the above equipment used on a farm?

**30.** Name the part of an eye that performs the same function as a film of a camera.



**31.** Give any **one** way of caring for newly transplanted seedlings.

**32.** Which type of energy is possessed by a passenger sitting in a moving car?

**33.** How does the use of biogas help to conserve trees in the environment?

**34.** Give **one** sign of poor oral health.

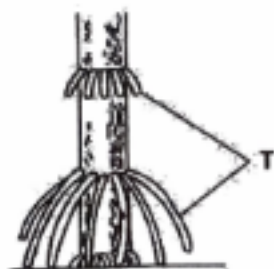
**35.** Write any **one** activity done by the community to reduce road accidents.

36. Mention the use of a fuse in an electric circuit.

37. Why is a green stick fracture common in babies?

38. Which property of magnets helps sailors to locate places?

The diagram below shows the root system of a plant. Use it to answer questions 39 and 40.



39. Name the type of root system shown in the diagram above.

40. How are roots marked T useful to a plant?



## SECTION B: 60 MARKS

Questions 41 to 55 carry four marks each.

41. (a) Name any **one** disease that is immunized against at birth.

- (b) Identify the site on the body where measles vaccine is usually given.

- (c) Why are pregnant women immunized against tetanus?

- (d) How does tetanus get into our bodies?

42. (a) State any **two** dangers of poor disposal of plastics to the environment.

(i) .....

(ii) .....

- (b) Besides plastics, give other **two** things that can damage the environment if poorly disposed.

(i) .....

(ii) .....

43. (a) Identify any **one** seed dispersed by wind.

- (b) Give any **one** characteristic of a wind dispersed seed.

(c) State any **two** advantages of seed dispersal.

(i) .....

(ii) .....



The diagram below shows an activity carried out on a crop farm. Use it to answer question 44.



44. (a) Identify the activity in the diagram above.

.....

(b) Which energy resource is being used in the above diagram?

.....

(c) Name the tool marked with **W**.

.....

(d) Mention any **one** advantage of using the above energy resource to prepare land.

.....

.....

45. (a) How does afforestation control soil erosion?

.....

.....



(b) Apart from afforestation, state other **two** ways of controlling soil erosion.

(i) .....

(ii) .....

(c) Mention **one** danger of soil erosion to the soil.

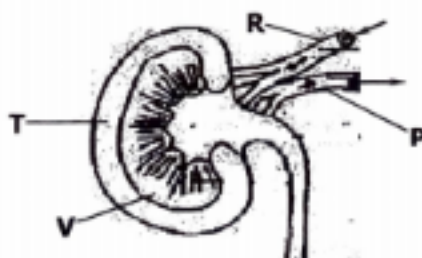
.....

46. The table below shows food deficiency diseases and their causes. Complete it correctly.

| DISEASE         | CAUSE          |
|-----------------|----------------|
| (a) Beriberi    | .....          |
| (b) .....       | Lack of iron   |
| (c) Kwashiorkor | .....          |
| (d) .....       | Lack of iodine |



47. The diagram below shows a cross – section of the human kidney. Use it to answer the questions that follow:



(a) Name the part labelled V.

(b) To which body system does a kidney belong?

(c) What process takes place in part marked T?

(d) How is blood carried by blood vessel R different from that carried by blood vessel P?

48. (a) Apart from proper disposal of human wastes, give other **two** activities a family can do to keep their home clean.

(i) .....

(ii) .....

(b) State any **two** importances of proper disposal of human wastes in the environment.

(i) .....

(ii) .....

49. The table below shows birds in part A and their classification in B. Use it to match correctly in spaces provided.

| A       | B               |
|---------|-----------------|
| Ostrich | Preying bird    |
| Vulture | Swimming bird   |
| Swan    | Flightless bird |
| Eagle   | Scavenger bird  |

- (i) Ostrich.....
- (ii) Vulture .....
- (iii) Swan .....
- (iv) Eagle .....



50. The lines below show two electric wires. Use it to answer the questions that follow.

W —————

X —————

(a) Which of the above two wires has a higher electrical resistance?

(b) State any **two** adaptations of the filament of an electric bulb.

(i) .....

(ii) .....

(c) In which units is electric resistance measured?

51. The list below shows a group of living things that depend on each other. Use it to answer questions that follow.

|   |
|---|
| Grasshopper, Mushroom, Rat<br>Snake, Plant, Eagle |
|---|

(a) Which of the things in the list is a

(i) producer? .....

(ii) secondary consumer? .....

(b) How is the mushroom important in the list?

.....  
.....

(c) In which way does a plant benefit from the other organisms in the list?

.....  
.....

52. The diagram below shows a growing practice done on a crop farm. Use it to answer questions that follow.



(a) Name the practice shown in the diagram.

.....

(b) Identify any other **two** plants that need such support for their survival.

(i) .....

(ii) .....

(c) Name the part of the plant marked **T**.

.....



53. (a) Why are babies grouped under vulnerable people?

.....  
.....

- (b) Mention any **two** ways of caring for babies.

(i) .....

(ii) .....

- (c) Apart from babies, give any other **one** group of vulnerable people.

.....

54. (a) Name any **one** liquid used in a thermometer.

.....

- (b) The temperature of the body increased from  $16^{\circ}\text{C}$  by  $4^{\circ}\text{C}$ . Find the new body temperature in degrees Fahrenheit.

.....

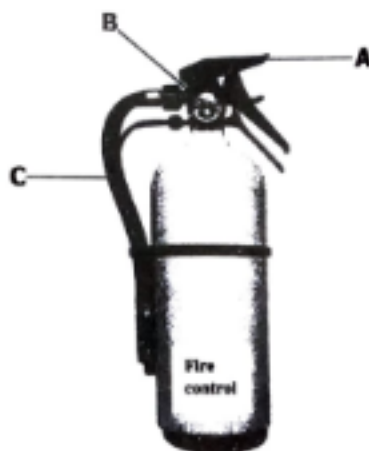
.....

.....

.....

.....

55. The diagram below shows a fire extinguisher. Use it to answer the questions that follow.



- (a) Name the parts labelled **A** and **B**.

(i) **A** .....

(ii) **B** .....

- (b) Which gas is used in the above equipment?

.....

- (c) Identify any **one** place where the equipment can be found.

.....



END