

HOIMA DIOCESE EXAMINATIONS BOARD
PRIMARY SEVEN LEAVING MOCK EXAMINATION
2025
INTEGRATED SCIENCE

Time Allowed: 2 hours 15 minutes

Index No.

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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 **11 printed pages** altogether.
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		
TOTAL		

SECTION A: 40 MARKS

Questions 1 to 40 carry one mark each.

1. Name the body organ that is greatly affected by hepatitis B.
.....
2. Give **one** importance of electricity at home.
.....
3. State any **one** reason why people drain wetlands.
.....
4. How does alcohol taking affect the digestive system?
.....
5. Give a reason why wires carrying electricity are fixed sagging (loosely) on the poles.
.....

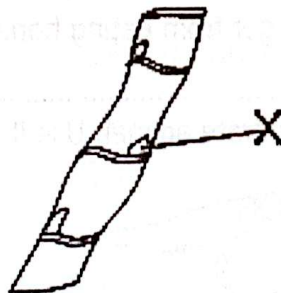
The diagram below shows a garden tool. Use it to answer questions 6 and 7.



6. Name the garden tool shown above.
.....
7. Give the importance of the garden tool to a crop farmer.
.....
8. State the difference between **a burn** and **a scald**.
.....
.....
9. Give the importance of a queen excluder in a modern beehive.
.....
10. Mention any **one** way the molar teeth are adapted to their function.
.....

11. Give **one** reason why people are encouraged to perform regular physical exercises.
.....
12. Write down any **one** way of acquiring natural immunity.
.....
13. Apart from engulfing germs, give any other way white blood cells fight against germs.
.....
14. Give any **one** reason why animals move from one place to another.
.....
15. State the importance of hydrochloric acid in the process of digestion.
.....
16. Identify the disease spread by the aedes mosquito to human beings.
.....
17. Apart from picking food, give any other way birds use their beaks.
.....

The diagram shows a part of a sugarcane stem. Study and use it to answer questions **18** and **19**.



18. Name the part marked **X**
.....
19. Give **one** reason why a sugarcane is not regarded as a stem.
.....
.....
20. Apart from ORS, give **one** way a person's body can be rehydrated.
.....

21. State **one** way of controlling mosquitoes at larva stage.

22. Give the importance of a swim bladder to a fish.

23. Identify the part of a caterpillar that serves the same purpose as the spurs on a cockroach.

24. State the property of sound that enables bats to detect obstacles in space.

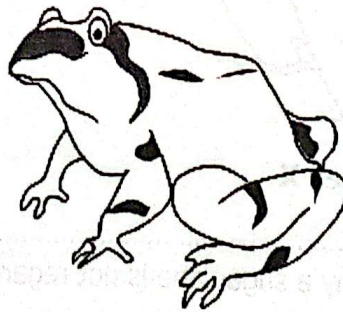
25. Give any **one** advantage of timely weeding of crops.

26. State **one** reason why salt disappears when placed in water.

27. Explain the reason why expectant mothers are grouped under vulnerable people.

28. Identify the food value that we get from eating honey.

The diagram below shows a vertebrate animal. Use it to answer questions **29** and **30**.



29. Name **one** other animal which belongs to the same group as the above.

30. State **one** way the animal above is similar to birds.

31. Identify **one** process that enables water in a saucepan to boil.

.....

32. Mention **one** disadvantage of siltation in the environment.

.....

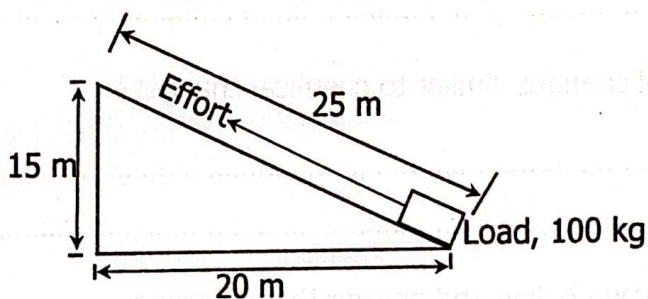
33. Name the part of the ear that amplifies sound vibrations.

.....

34. Apart from miscarriage, give **one** other effect of smoking to a pregnant mother.

.....

The diagram below shows a type of simple machine. Use it to answer questions **35** and **36**.



35. Name the type of simple machine drawn above.

.....

36. What distance does the load move in the above machine?

.....

37. State the energy resource that enables a wind mill to work.

.....

38. Mention where fertilization takes place in a flower.

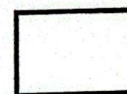
.....

39. Identify any **one** agent of weathering.

.....

40. Write down any **one** use of feathers to birds.

.....



Turn Over

SECTION B

Answer all questions in this section
Questions 41 to 55 carry four marks each.

41. (a) What are **biological changes** in our environment?

.....
.....

(b) Give **two** examples of biological changes in the community.

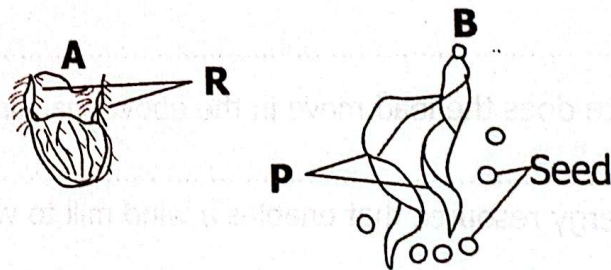
(i)

(ii)

(c) How are biological changes similar to chemical changes?

.....
.....

42. Study the diagrams shown below and answer the questions.



(a) Identify the method of seed dispersal shown by **A** and **B**

(i) **A**

(ii) **B**

(b) Name the structure marked **P** on diagram **B**

.....

(c) How are structures **R** useful to the fruit?

.....

43. (a) State any **one** danger of poor disposal of human wastes.

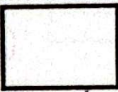
.....
(b) Give any **two** diseases related to the 4Fs of spread of germs.

(i)

(ii)

(c) Mention **one** activity done at home to prevent the spread of faecal diseases.

.....

44. (a) State any **one** difference between a clinical thermometer and a six's thermometer. 

.....
(b) Convert 37°C to Fahrenheit scale. (03 marks)

45. (a) Give **two** reasons why sanitation and environment clubs are important in schools.

(i)

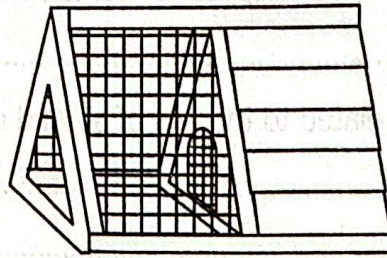
(ii)

(b) Write down any **two** activities done by sanitation and environment clubs in a school.

(i)

(ii)

46. The diagram below shows a rabbit hutch. Use it to answer the questions.



(a) Give **one** reason why a rabbit hutch should have a run in it.

.....
.....

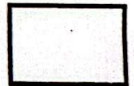
(b) Apart from proper housing, state any **two** ways of caring for rabbits.

(i)

(ii)

(c) Mention **one** disease that commonly affects ears of rabbits.

.....



47. (a) Give any **two** parts of a flower that provide protection.

(i)

(ii)

(b) State the importance of flowers to

(i) plants

(ii) human beings

48. (a) How is the propagation of bananas similar to that of pineapples?

.....

(b) State the **two** types of plant propagation.

(i)

(ii)

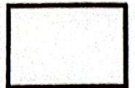
(c) What scientific term describes plants that shed their leaves to reduce transpiration?

.....

49. A primary five class wanted to find out if soil contains air. They had the following items: water, dry lump of soil, a glass bowl. Describe the steps they took to find out if soil contains air.

- (i)
(ii)
(iii)
(iv)

50. (a) Name the germ that causes **AIDS**.

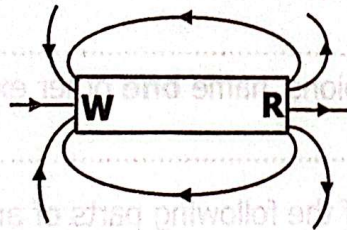


- (b) State any **one** way in which an HIV positive mother can protect her unborn baby from getting HIV/AIDS.

- (c) Apart from sex, state any **two** human activities that can result in getting HIV/AIDS.

- (i)
(ii)

51. Below is the diagram of a bar magnet. Use it to answer the following questions.



- (a) Name the magnetic pole represented by:

- (i) **W**
(ii) **R**

- (b) What is meant by the term **magnetic field**?

.....
.....

- (c) Apart from using iron keepers, state **one** other way of keeping a magnet with its magnetism for long.

52. Match the items in **A** with those in **B**.

A
Synovial fluid
Tendon
Ligament
Cartilage

B
joins bones to bones
joins bones to muscles
absorbs shock at a joint
lubricates a joint.

(a) Synovial fluid

(b) Tendon

(c) Ligament

(d) Cartilage

53. (a) Write down any **two** reasons why you would classify a spider under arachnids.

(i)

(ii)

(b) How is the reproduction of a spider different that of a scorpion?

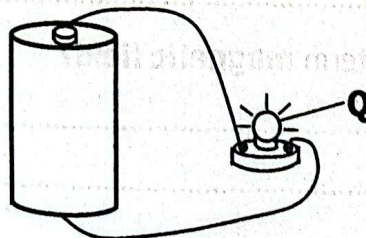
(c) Apart from spiders and scorpions, name **one** other example of arachnids.

54. (a) Write the correct functions of the following parts of an electric circuit.

(i) Fuse

(ii) Switch

(b) Draw arrows to show the direction of the flow of electricity.



(c) Apart from light, name **one** other form of energy produced at part Q.

.....

55. (a) State any **one** Primary Health Care activity children can do to help their mothers in the process of preparing meals.

.....

(b) Write down any **two** primary health care elements that caters for casualties and venerable in our community.

(i)

(ii)

(c) Why should the elderly be given plenty of food rich in proteins?

.....

END