# HORMISDALLEN SCHOOLS' EXAMINATIONS BOARD

## PRE-PLE SET I 2026

## P.7 INTEGRATED SCIENCE

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

| Random Number | | | | | | Personal No. | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | |

| TOTAL MARKS SCORED | |
|---|---|

**Candidate's Name:** _____

**Candidate's signature:** _____

**Branch:** _____

**Stream:** _____

**Read the following instructions carefully.**

1. This paper is made up of two Sections: A and B.
2. Answers to both sections must be written in the spaces provided in full sentences.
3. Section A has 40 questions (40 marks)
4. Section B has 15 questions (60 marks)
5. Attempt all questions. All answers to both sections A and B must be written in the spaces provided.
6. All answers must be written in blue or black ballpoint pen or ink but not in pencil. All work done in pencil, except diagrams, will **NOT** be marked.
7. Crossing out of answers will lead to loss of marks.
8. Any handwriting that cannot be easily read may lead to loss of marks.

| FOR EXAMINERS USE ONLY | | |
|---|---|---|
| **PAGE No.** | **MARK** | **INITIALS** |
| 1 | | |
| 2 | | |
| 3 | | |
| 4 | | |
| 5 | | |
| 6 | | |
| 7 | | |
| 8 | | |
| 9 | | |
| 10 | | |
| TOTAL | | |

HORMISDALLEN SCHOOLS EXAMINATION BOARD
10 SEP 2026
HOSEB
P.O.BOX 30223, KAMPALA

**HOSEB SCIENCE**



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## SECTION A (40 MARKS)

1. Name the type of soil which has fine and smooth particles.

_____

2. Give **one** reason why it is dangerous to touch electric sockets with wet hands.

_____

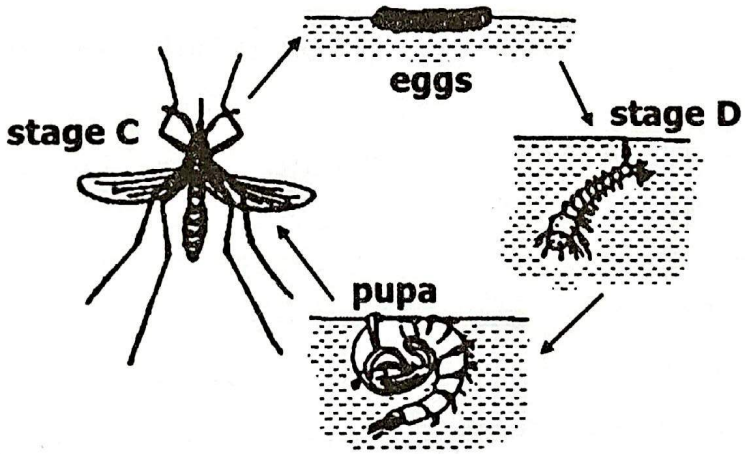
3. State **one** way lungs are adapted to their function of breathing.

_____

4. Name **one** living agent of pollination.

_____

**The diagram below shows stages of development of an insect. Study and use it to answer questions 5 and 6.**




5. Identify the stage of development marked with letter **D**.

_____

6. State **one** danger of the insect whose life cycle is shown in the diagram above.

_____

7. Give **one** way in which people at home can conserve energy from wood fuel.

_____

8. State **one** way in which bacteria can be helpful to a dairy farmer.

_____



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9. Give **one** reason why a person suffering from malaria develops anaemia.

_____

10. Mention **one** quality of a hutch suitable for keeping rabbits.

_____

11. State **one** way the human kidney is able to filter blood.

_____

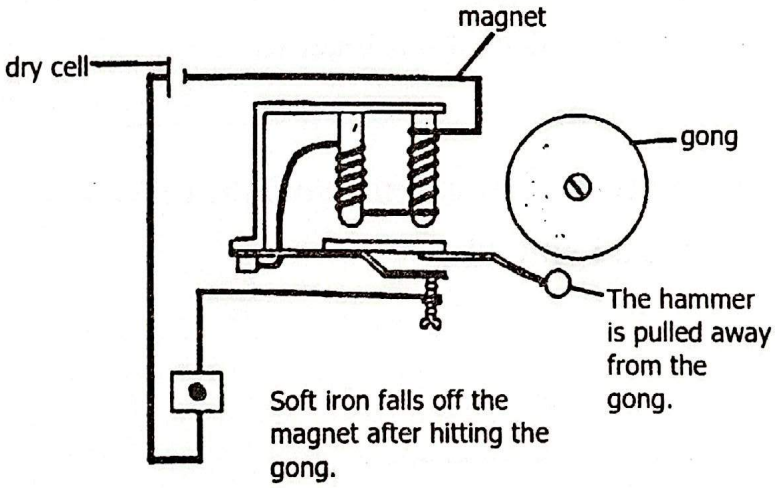
12. Give **one** way a P.7 candidate can help in the control of soil pollution.

_____

13. Mention **one** instrument found in a first aid box used to fasten a bandage.

_____

**The diagram below shows an electric bell in use. Study and use it to answer questions 14 and 15.**




14. Name the magnet that is used in the device above.

_____

15. Give a reason why the soft iron metal falls from the magnet after hitting the gong with the hammer.

_____

16. Identify the method by which fruit juice turns into alcohol with the help of bacteria and yeast.

_____



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17. Give **one** reason why more effort is applied to move a load using third class levers.

_____

18. In which **one** way can a farmer identify tuber crops that have been destroyed by pests?

_____

19. Give **one** product got from bees that is important for making candles.

_____

20. State **one** way of keeping the digestive system in good condition.

_____

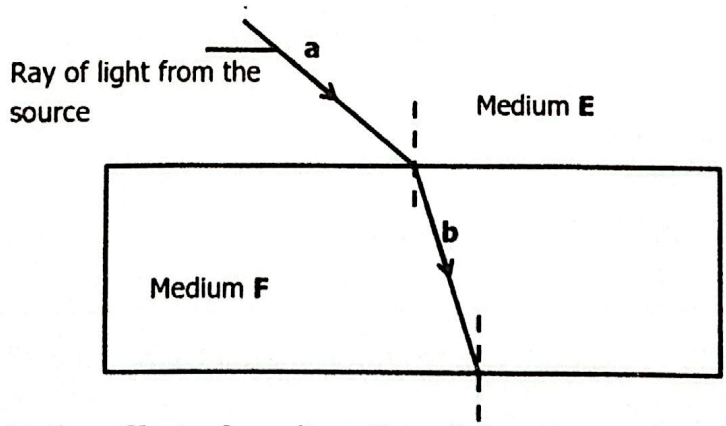
21. Give **one** reason why the little light is allowed near the laying boxes in a poultry house.

_____

22. Give **one** reason why water and soil cannot mix together.

_____

**The diagram below shows an effect of medium F on light rays. Study and use it to answer questions 23 and 24.**




23. State the effect of medium **F** on light rays as shown above.

_____

24. Give **one** danger of the effect of medium **F** on light rays stated in "23" above.

_____



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25. Mention **one** exotic breed of cattle kept for meat production.

_____

26. State **one** reason why burning is referred to as a chemical change.

_____

27. Identify the group of non-flowering plants that reproduces the same way as beans.

_____

28. Identify the property of air that is demonstrated by a boy drinking soda using a straw.

_____

29. State **one** way the human body can get natural immunity.

_____

30. Mention **one** way the setting up of a school woodlot helps to conserve the environment.

_____

31. State **one** material used in mulching a tomato garden.

_____

32. Name the part of fish that plays the same role as the human ear.

_____

33. State **one** role of soap in promoting personal hygiene.

_____

34. Give **one** reason why mercury is commonly used in clinical thermometers instead of alcohol.

_____

35. Identify the artificial family planning method that involves cutting the oviducts.

_____



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**The diagram below shows a programme about promoting health. Study and use it to answer questions 36 and 37.**



**Toothbrush**

36. Identify the programme drawn above.

_____

37. State **one** importance of the programme shown above in promoting health.

_____

38. Mention **one** way of controlling the risk of child poisoning at home.

_____

39. State **one** viral disease that affects goats.

_____

40. Give **one** way of controlling dangers of natural changes in the environment.

_____

## SECTION B (60 MARKS)

41. a) State the functions of the following features found in mammals.

(i) mammary glands _____

(ii) fur _____

b) Name the group of cold-blooded vertebrate which undergoes internal fertilization.

_____

c) Mention **one** activity carried out to conserve mammals.

_____



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42. a) Apart from rainfall, give **one** other element of weather necessary for plant growth.

_____

b) Give **one** way in which rainfall is important for plant growth.

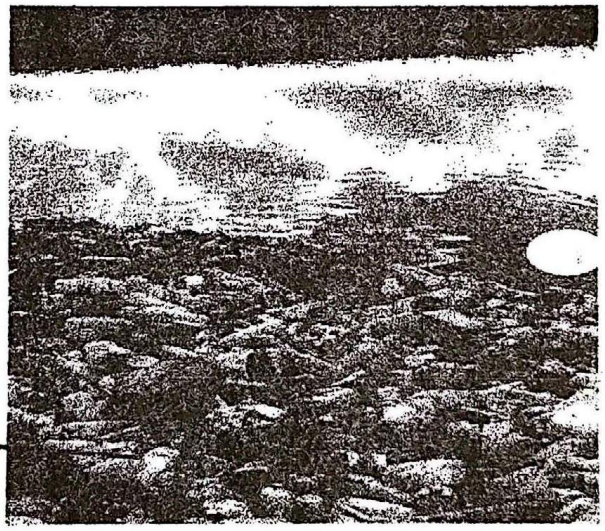
_____

c) State **two** ways in which too much rainfall affects human activities.

(i) _____

(ii) _____

43. **The diagram below shows a practice where people dump wastes into water sources in the environment. Study and use it to answer the questions that follow.**



**Rubbish in water**

a) State **two** ways in which the practice above is harmful to people living around that area.

(i) _____

(ii) _____

b) Mention any **two** ways through which the problem shown in the picture can be controlled in the environment.

(i) _____

(ii) _____



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44. a) State **one** difference between gliding and hinge joints.

_____

_____

b) Give **one** way in which joints keep the body flexible.

_____

c) Mention any **two** benefits of maintaining posture to the bones.

(i) _____

(ii) _____

45. a) State **one** reason why crop farmers are advised to carryout the following practices.

(i) harden off seedlings before transplanting.

_____

(ii) harrow the land before planting.

_____

b) Give any **two** advantages of applying compost to the garden to improve soil fertility.

(i) _____

(ii) _____

46. Kawunda was going back home with his friend from school. Accidentally, the friend slipped and fell into a pond along the way. He made some noise asking for help but eventually became unconscious and unable to breathe. Kawunda yelled for help and the friend was removed from the pond.

a) Identify the accident that Kawunda's friend got.

_____

b) Give a reason why the victim;

(i) became unconscious _____

_____

(ii) was unable to breathe while in water _____

_____



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c) After removing the victim from the water, state any **one** step you would perform to help the victim breathe again.

_____

47. a) Give the meaning of **"soil erosion".**

_____

_____

b) Identify the agent of soil erosion that causes gullies in the environment.

_____

c) Explain how soil erosion leads to low crop production in the garden.

**(2marks)**

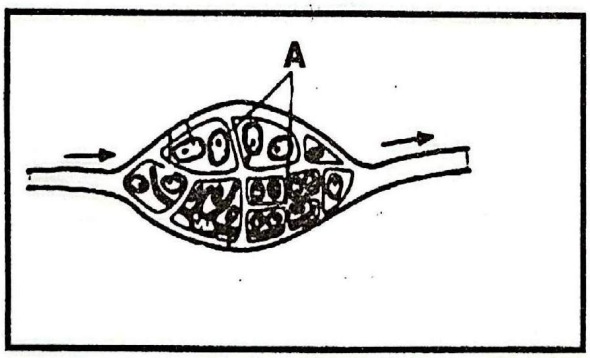
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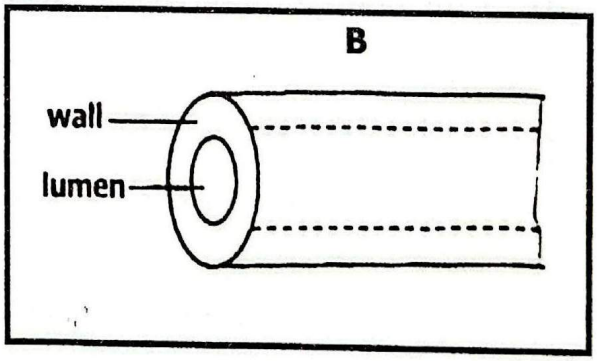
_____

_____

_____

48. **The diagrams below show blood vessels. Study and use them to answer questions that follow.**




a) Identify the blood vessel marked;

(i) **A** _____

(ii) **B** _____

b) State **one** role played by the blood vessels marked **A** in the body.

_____

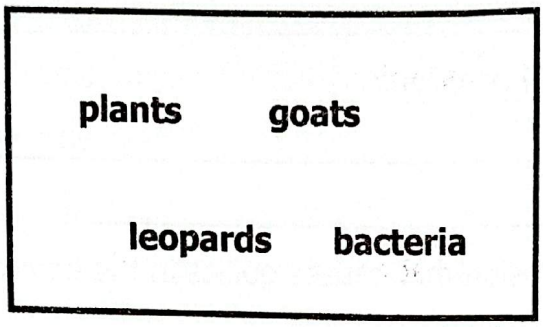
c) How is the blood vessel marked **B** able to transport blood at a high pressure?

_____



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49. **The illustration below shows a list of organisms in a community. Use it to answer questions that follow.**




a) State **one** way through which goats benefit from plants in the community above.

_____

b) State what would happen to leopards in the community above if the number of goats reduces.

_____

c) Give **one** role of bacteria in the community above.

_____

d) Write down the food chain of the organisms in the community above.

_____

50. a) Give the meaning of the term **energy resources**.

_____

_____

b) State **one** energy resource got from animals.

_____

c) Mention **two** ways of conserving energy resources in the environment.

(i) _____

(ii) _____

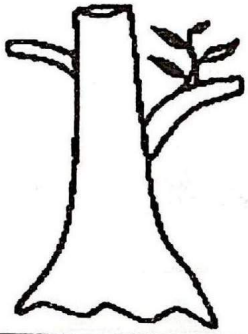


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51. **The table below shows common infections, organisms that cause them and the body parts affected. Study and complete it correctly.**

| diseases | germs | body part affected |
|---|---|---|
| tuberculosis | bacteria | _____ |
| _____ | virus | bones and muscles |
| hepatitis b | _____ | liver |
| _____ | protozoa | red blood cells |

52. **The diagrams below show methods of harvesting trees. Study and use them to answer questions that follow.**

| W | X |
|---|---|
|  |  |

a) Name the method of harvesting trees marked **W** and **X**.

(i) **W** _____

(ii) **X** _____

b) State **one** advantage of harvesting trees using the method marked W.

_____

c) Give any **one** importance of harvesting trees to people.

_____

53. a) Mention **one** plant dispersed by the following agents.

(i) animals _____

(ii)water _____

b) Sate **one** way fruits and seeds are adapted to be dispersed by water.

_____



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c) Give **one** importance of seed dispersal in the environment.

_____

54. a) Give **two** causes of dehydration in babies.

(i) _____

(ii) _____

b) Mention **one** sign of dehydration in babies.

_____

c) State **one** way of controlling dehydration in babies.

_____

55. a) Mention any **two** examples of sexual deviation practices in the community.

(i) _____

(ii) _____

b) State **two** ways of controlling sexual deviations in the community.

(i) _____

(ii) _____

**END**

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