



HORMISDALLEN SCHOOLS EXAMINATIONS BOARD
INTEGRATED SCIENCE ASSESSMENT SET ONE – 2021

PRIMARY SIX

Name: _____

Branch: _____ **Stream:** _____

INSTRUCTIONS:

- 1. Attempt all questions.*
- 2. Any drawing must be done in pencil.*
- 3. You must use a very good handwriting.*

TIME ALLOWED: 2hours 15minutes

Examiner's Use Only	
SECTION A	
SECTION B	
TOTAL	

SECTION A: (40marks)

- Name one example of material used to make organic fertilizers.

- How are bacteria harmful to human life?

- In which way do textile industries depend on crop farmers?

- Cite one human activity where friction is harmful.

- How do health parades promote pupils' personal hygiene?

- Identify the condition that enables plants to trap heat energy from the sun.

- State any one function of the heart as a body organ.


- Suggest one way of preventing stored crops from pests.

- Mention the liquid metal used in thermometers.

- In which way is cotton wool found in a first aid box useful?

- Apart from Diphtheria, Pertussis and Tetanus, mention one other diseases immunised by use the of pentavalent vaccine.

- Identify one block of town food path.

13. Give any one advantage of natural insemination in cattle keeping.
-
14. In which state of matter is water at **100°C**?
-
15. Apart from controlling soil erosion, give one other importance of mulching in growing of crops.
-
16. Give one characteristic you can use to identify a dicotyledonous plant.
-
17. Suggest one way of safe guarding ourselves from hook worm infestations.
-
18. Identify the amphibian whose eggs are shown below.
- 
-
19. Suggest any one kind of foodstuff that can be included in children's diet to prevent them from kwashiorkor.
-
20. Give one effect of rusting to metals.
-
21. Give the reason why victims of **COVID-19** should keep away from other people.
-
22. Explain how fish in ponds help to control the spread of malaria.
-
23. What advice would you give to a farmer whose cabbage garden is affected by pests?
-
24. How is the brain protected from physical damage?
-
25. Suggest one way of controlling tick borne diseases on a cattle farm.
-
26. What advice would you give to school owners so as to be ready to handle any breakout of a fire accident?
-
27. State one reason why mercury is used in a clinical thermometer.
-
28. Suggest one way of promoting the good health of your eyes.
-

29. Weeds are unwanted plants in a garden. Suggest one way how weeds can be control them.

30. Give one health problem that may result from excessive taking of smoking of cigarettes.

Use the diagram below to answer question 31.



31. State one problem poultry farmers fight against by carrying out the practice illustrated above.

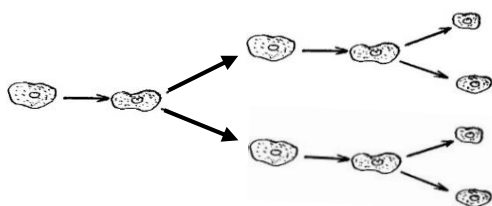
32. Diarrhoea is a disorder of the digestive system. Give any one of its effects to people.

33. Cite any one problem a nation can face if she does not immunise her children.

34. Give one reason for sorting seeds before they are planted.

35. Evaporation of water is a physical change. Give one reason to support this statement.

Below is an illustration of a reproduction process. Use it to answer question 36.



36. Identify one group of living things that undergo the type of reproduction illustrated above.

37. Point out one way echoes can be a nuisance.

38. How does a tortoise protect itself from enemies?

39. State one way people can help plants to control the rate of transpiration.

40. P.6 pupils are encouraged to groom their fingernails and also keep them clean. How is this important?

SECTION B (60marks)

41. a) How is **absconding** different from **swarming** as used in bee keeping?

b) Write one cause of absconding in bee keeping.

c) Suggest one way farmers can control absconding in bee keeping.

d) Give one way by which people care for bees at an apiary.

42. a) What are non-communicable diseases?

b) State one way of people get non-communicable diseases.

c) Give any two example of non-communicable diseases.

(i) _____

(ii) _____

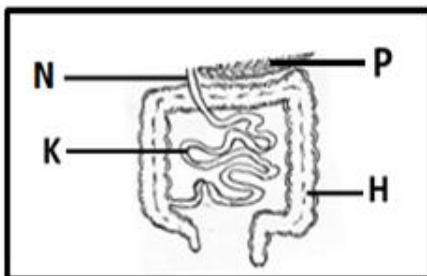
43. a) Define the term **passive immunity**.

b) Give one way by which people get passive immunity.

c) Mention the part of blood responsible for body immunity.

d) Identify one kind of virus that affects the human immunity.

44. Study the diagram below and use it to answer the questions that follow.



a) Name parts marked **N** and **K**.

(i) _____

(ii) _____

b) State what happens to food in the part marked **K**.

c) Name the digestive juice produce by part **N**.

45. a) What is soil exhaustion?

b) Name one cause of soil exhaustion.

c) Write one way of controlling soil exhaustion in a school compound.

d) Why does clayey soil hold water for a long period of time?

46. a) State one non raw material needed for photosynthesis to take place.

b) Mention one product of photosynthesis that plants use.

c) State the importance of roots to a plant during photosynthesis.

d) Why are plants unable to make food at night?

47. The diagram below shows one of the methods of grazing goats in Uganda. Study it and use it to answer the given questions.



a) Name the method of grazing goats shown in the diagram.

b) Give one advantage of using the method shown in the diagram.

c) Write down one disadvantage of using this method.

d) Apart from the method above, name one other method of grazing animals.

48. a) State reasons for rearing the following types of cattle.

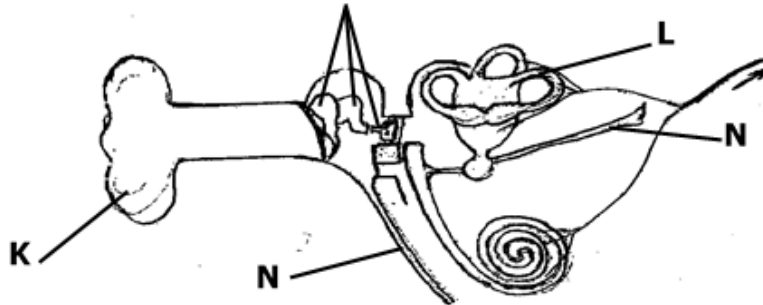
(i) Dairy cattle:

(ii) Draught cattle:

b) Give one reason why cattle farmers carry out dehorning.

c) Mention the farm practice by which cattle farmers are able to improve on the undesired qualities of their animals.

49. Study the mammalian ear below and answer questions that follow.



a) Name parts M and L:

(i) **M:** _____ (ii) **L:** _____

b) Identify the function of part **K**.

c) State the function of the mammalian ear to a deaf person.

50. a) What is a resource?

b) Mention any two examples of natural resources in the environment apart from forests.

(i) _____ (ii) _____

c) State one reason why forests must be conserved.

51. a) Explain the term drug dependence.

b) Mention one example of a drug of dependence.

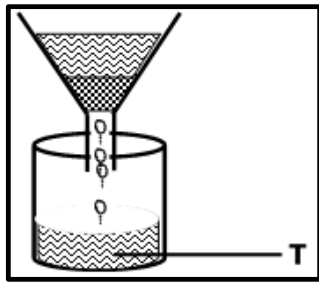
c) State **two** excuses people give for drug dependence.

(i) _____

(ii) _____

d) State one reason people give for taking alcohol.

52. The diagram below shows a method of separating mixtures. Use it to answer the given questions.



a) Name the method used above.

b) What scientific name is given to the substance marked **T**?

c) Identify any **two** situations where people use the method above.

(i) _____

(ii) _____

53. Study the table below and answer questions follow.

List M	List Q
Parrot	Nile perch
Vulture	Lizard
Crow	Frog
Weaver bird	newts

a) How are the above animals in list M and Q similar?

b) Which two animals in list **Q** can be grouped together?

(i) _____

(ii) _____

c) Give a reason for your answer in (b) above.

54. a) Give one advantage of carrying out each practice below in crop growing.

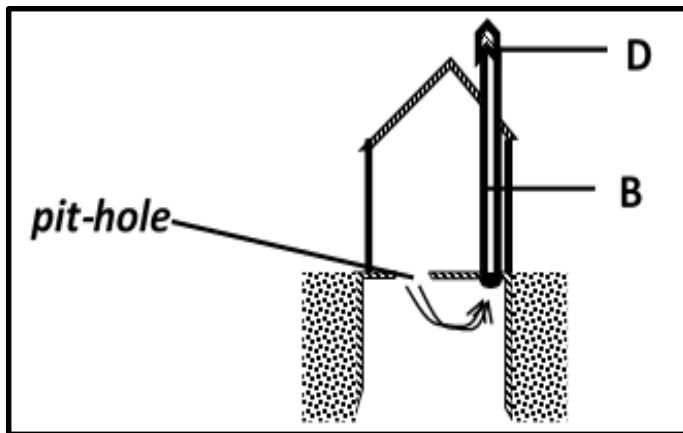
(i) Pruning:

(ii) Training:

b) State any two effects of pests to crops.

- (i) _____
- (ii) _____

55. Use the diagram below to answer the given questions.



a) Name the type of latrine drawn above.

b) Name the part marked **B**.

c) Suggest one way of maintaining the proper use of the latrine above.

d) Identify any one disease that can be controlled through proper use of the type of latrine above.

END

