



OUTREACH SCHOOLS EXAMINATIONS BOARD

P. 7 EXAMINATION SET 8, 2023

Integrated Science

Time allowed: 2 hours 15 minutes

INDEX NUMBER

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NAME: _____

Signature: _____

EXAMINER'S USE ONLY

Stream _____

Date _____

A	
B	
TOTAL	

Read the following instructions carefully:

1. The paper is made up of section A and B.
2. Section A has 40 short answer questions (40 marks).
3. Section B has 15 questions (60 answers).
4. Answer ALL questions. All answers to both section A and B must be written in the spaces provided.
5. All answers must be written in blue ink.
6. Any handwriting that cannot easily be read will lead to loss of marks.
7. Unnecessary alteration of work may lead to loss of marks.
8. Do not write anything in the box indicated examiner's use only.

TRIS' COMMENT	SIGNATURE

SECTION A: 40 MARKS

1. Why do we wash our hands after garden work?

2. In the space below, draw the internal structure of a bean seed and name the cotyledon.
3. Identify one cause of dehydration in human beings.

4. Give one similarity between the function of spiracles of an insect and gills of a fish.

5. How is malaria commonly spread among people?

6. Why does clay soil retain (hold) water for a longer time than sand soil?

7. What happens to iron when it is exposed to water and oxygen?

8. Draw a clear diagram of a red blood cell.
9. Why do some plants shed their leaves during dry season?

10. What pigment enables a leaf to carry out photosynthesis?

11. Identify the part of the body where we find saliva.

12. What benefit do crops get from animals in mixed farming?

13. Which stage of development in human beings is characterised by aggression and disobedience?

14. Why is it important to regularly weed crops?

15. Mention one disease that affects the skin.

16. Identify one way the use of mulches keep soil moisture.

17. State the danger of improper use of the toilet / latrine.

18. Draw a clear diagram of a tree and show its shadow.

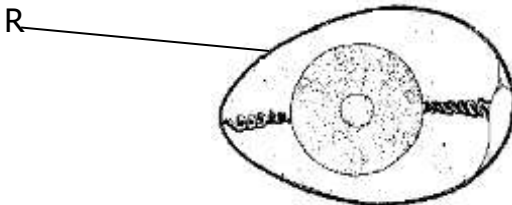
19. To which group of vertebrates do we classify chameleon?

20. Name one common garden tool you know.

21. In which way is paddock grazing system an advantage?

22. Why is a clinical thermometer an important tool in a health centre?

23. The diagram below is of an egg. State the function of R besides protecting the internal parts.



24. Why do objects fall downwards once thrown upwards?

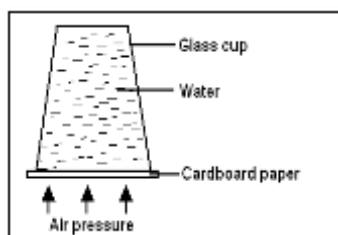
25. Mention one secondary sex characteristic in female adolescents.

26. Of what importance is the sugar in the oral rehydration solution?

27. By what process does food move through the alimentary canal?

28. How are frogs different from birds in terms of reproduction?

29. What property of air is demonstrated by the diagram below?



30. How best can water be made safe for drinking?

31. Why do car tyres wear out when continuously used?

32. How is the trachea adapted to its function?

33. Give one way in which children in P.2 can use water.

34. How are lizards in a residential house important?

35. Why do most babies who have been suffering from malaria become anaemic?

36. Mention one method of planting crops.

37. How are the feelers of an insect important in its survival?

38. What role can a local counsellor play in promoting immunisation against killer diseases among infants in a community?

39. Which disease is common in rabbits and poultry?

40. Describe the first Aid that can be administered to a casualty with a fractured arm.

SECTION B: 60 MARKS

41. a) Complete the table below correctly.

DISEASE		VACCINE
i)	Polio	_____
ii)	_____	BCG Vaccine
iii)	Measles	_____

b) Describe the effect of immunisation in one's body.

42. a) Why is first aid given to casualty?

b) Why is it dangerous to make a victim who has swallowed paraffin to vomit?

c) What first aid would you give to a casualty with broken leg?

d) How is a sprain different from a strain?

43. a) Name any two components of the environment.

i) _____

ii) _____

b) How is the use of petroleum a danger to the environment?

c) In which way is the over exploitation of non – renewable resources a danger?

44. a) Name the three states of matter.

i) _____

ii) _____

iii) _____

b) Which metal is a liquid at room temperature?

45. Use the diagram below to answer questions that follow.



a) Name the blood vessels shown in the diagram.

b) State one importance of the blood vessels in the human body.

c) Give one structural difference between veins and arteries.

d) Which blood cell is affected by sickle cells?

46. a) Mambo is a slum with ever dirty water flowing in its channels. Mention two diseases people in Mambo are likely to suffer from if they use or come into contact with that water.

i) _____

ii) _____

b) Give two ways disease can be controlled without using drugs.

i) _____

ii) _____

47. a) In which two ways is soil considered useful?

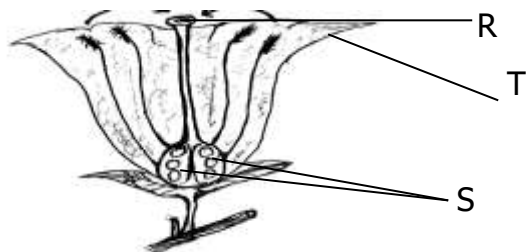
i) _____

ii) _____

b) What effect does running water have on the soil?

c) Why isn't it necessary to mulch a hilly area?

48. The diagram below shows a reproductive part of a plant.



a) Name the parts marked:

i) R _____

ii) T _____

iii) S _____

b) Which part in animals is similar to S?

49. a) Give the two common breeds of rabbits kept in Uganda.

i) _____

ii) _____

b) How do farmers benefit from the practice of rearing rabbits?

c) State one disease that affects rabbits.

50. Match members in A with those in B.

A

Gizzard

Bees

Pseudostem

Sweet potatoes

B

Bananas

Grits

Stem cutting

Pollen

i) Gizzard _____

ii) Bees _____

iii) Pseudo stem _____

iv) Sweet potatoes _____

51. a) Name any two types of chicken reared in Uganda.

i) _____

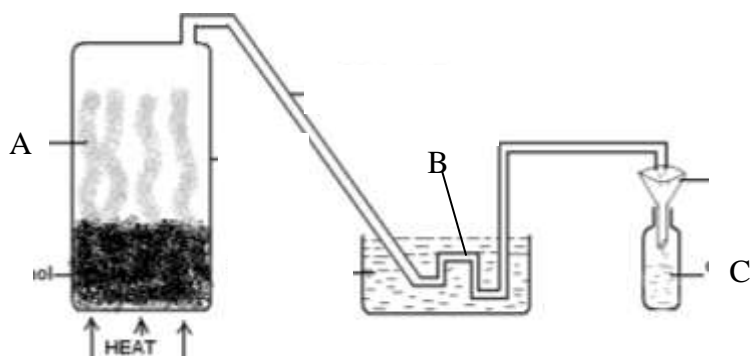
ii) _____

b) Which feeds are given to the type of chicken named in (a) above?

i) _____

ii) _____

52. The diagram below shows the process of making alcohol. Use it to answer the questions that follow.



a) Name the two processes used in the production of alcohol.

i) A _____

ii) B _____

b) Name the product labelled C.

c) Mention any one body part damaged by excessive alcoholism.

53.a) What is meant by the term weather?

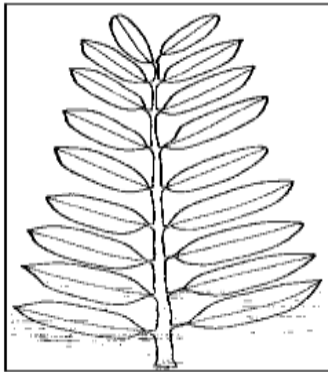
b) Mention two elements of weather.

i) _____

ii) _____

c) Why is harvesting of crops suitable during the dry season?

54.The diagram below is a plant leaf.



a) What type of leaf is shown above?

b) Give a reason for your answer in (a)

c) What type of leaf venation is found on the leaf shown above?

d) How are leaves important to animals?

55.State the importance of the following in the human body.

a) Skull:

b) Tendon:

c) Ligament:

d) Vertebral column:

END