

SUCCESS ACADEMIC FOUNDATION OF UGANDA (SAFU)

PRE - PRIMARY LEAVING EXAMINATION SET VI, 2024



INTEGRATED SCIENCE

Time Allowed: 2 Hours 15 Minutes

EMIS NO					PERSONAL NO				

Candidate's Name: _____

Candidate's Signature: _____

School Name: _____

District Name: _____

**DO NOT OPEN THIS BOOKLET UNTIL
YOU ARE TOLD TO DO SO.**

Read the instructions carefully:

1. This paper is made up of Sections A and B.
2. Section A has 40 short-answer questions. (40 marks)
3. Section B has 15 questions. (60 marks)
4. Answer **All** questions. All answers to both Sections A and B must be written in the spaces provided.
5. All answers must be written using blue or black ball point pen or ink. Diagrams should be drawn in pencil.
6. Unnecessary alteration of work may lead to loss of marks.
7. Any handwriting that cannot be read may lead to loss of marks.
8. Do not fill anything in the boxes indicated

For Examiners' Use Only.

FOR EXAMINERS' USE ONLY

Qn. No.	Marks	Final Mark
1 - 10		
11 - 20		
21 - 30		
31 - 40		
41 - 43		
44 - 46		
47 - 49		
50 - 52		
53 - 55		
TOTAL		

Turn Over

SECTION A

Questions 1 to 40 carry one mark each.

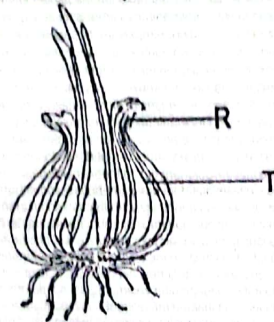
1. Name the structure on a cattle farm where deworming and artificial insemination can be done

2. Give any one artificial source of heat in the environment.

3. Why should the garden be ploughed before planting?

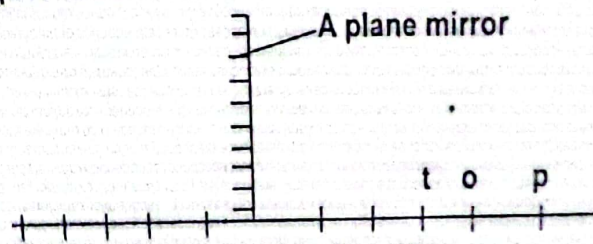
4. State the reason why pollarding is the best method of harvesting fruit trees.

Use the diagram below to answer questions 5 and 6.



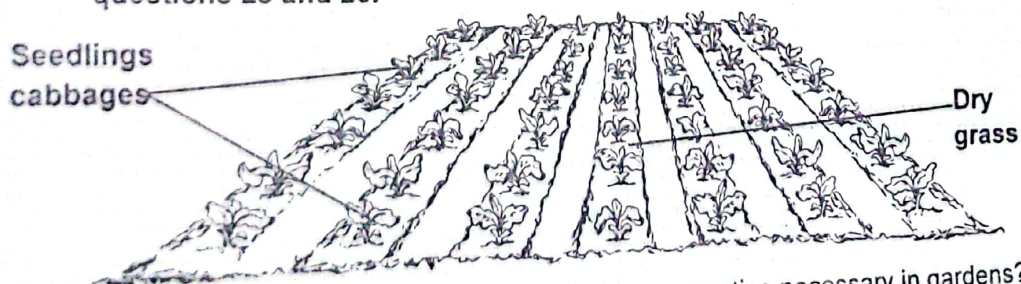
5. Give the use of leaves marked R to the plant.
6. What type of stem is possessed by the above plant?
7. State any one reason why the use of biogas is considered friendly to the environment.
8. Mention one bad health lifestyle that can make a pregnant mother give birth to a baby who is under weight.
9. How do babies benefit from weaning?
10. Name the object that causes transpiration and evaporation in rain formation.
11. Why is it bad for a school girl to get pregnant?
12. Mention any one way through which sweating helps our bodies.
13. Why can't a mixture of rice and stones be separated by winnowing?
14. Give any one way through which plants benefit from each other.

The diagram below shows a word placed in front of a plane mirror. Study it and answer questions 15 and 16.



15. Write the image of the word top on the above diagram.
16. Give any one characteristic of the image written above.
17. How are cones useful to cypress plants?
18. Give the group of invertebrates that have the following characteristics; segmented bodies, jointed legs and exoskeleton.
19. Why is it difficult to tell the exact colour of a chameleon?
20. Apart from meat, give any one other reason why people keep goats.
21. State the reason why cuts on the skin should be cleaned and covered.
22. How can water vapour be got from water?
23. Why do bees produce wax?
24. Under what degree of temperature does melting of solids occur?

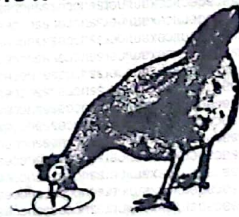
The diagram below shows a crop growing practice. Use it to answer questions 25 and 26.



25. During what crop growing season is the above practice necessary in gardens?
26. Why are crop farmers discouraged from using fresh grass in the above practice?

27. How are worker bees adapted to the duty of collecting pollen from plants?
28. Mention the part of a VIP latrine that has similar function as the window of a living house.
29. Name the principle of PHC that encourages every member of the community to participate in PHC.
30. Mention any one way block and tackle pulley systems are applied.
31. Why is cutting fingernails short a good health practice?
32. How can music stored in a memory card be reproduced?
33. Name the disorder of the digestive system that is caused due to lack of roughage in one's diet.
34. Write down one way of producing static electricity in the classroom.

Study the diagram below and answer questions 35 and 36.



35. Name the poultry vice shown above.
36. How can the above vice be controlled in a poultry house?
37. What is the effect of lunar eclipse to the moon?
38. How is the reproduction of birds similar to that of mammals?
39. State the characteristic of clay soil that makes it hold water for a long time.
40. Mention any one energy resource got from water.

SECTION B

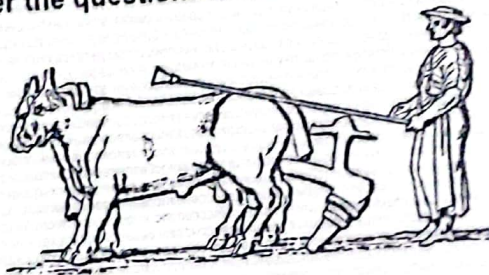
41. a) Write down any one example of a stem tuber crop.

- b) Give any one reason why cassava stem cutting for planting should be fairly long and with many nodes.

- c) State any one factor that is considered when selecting cassava plant to grow.

- d) Why are root tubers not used for propagation?

The diagram below shows an activity commonly done in our community. Use it to answer the questions in number 42.



42. a) Name the activity being carried out in the above diagram.

- b) What energy resource is being used in the diagram above?

- c) In which other way can the energy resource named in (b) above be useful to man?

- d) State the role played by the oxen in the above activity.

43. a) Give a reason why the following practices are done in cattle keeping.
 i) Dipping

- ii) Ear tagging

- b) Why should every cattle farm have the following tools.
 i) Strip cups

- ii) Drenching gun

44. a) Which disease is spread by mosquitoes that people are immunised against?

b) What characteristic enables the following vectors to spread diseases

i) tsetse flies

ii) cockroaches

c) State any one use of insects to people.

45. Given the following list of animals, Man, Tortoise, Mosquitoes and Dove
Study them and the answer questions that follow

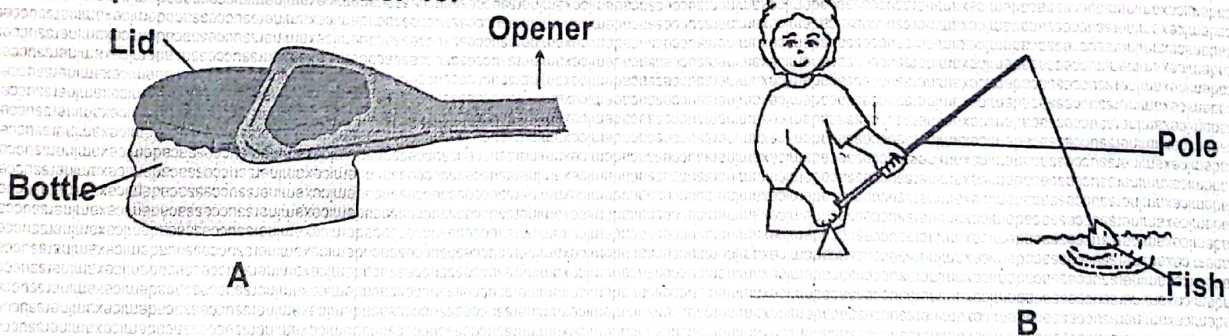
a) Name the animal that is an odd man out

b) Give a reason to support your answer in (a) above.

c) How is the reproduction of tortoise, mosquitoes and dove similar?

d) What characteristic groups only dove and man together?

The diagram below shows classes of levers. Study it and answer the questions in number 46.



46. a) In which class of levers can you place the items marked A and B.

i) A

ii) B

b) Show the position of the pivot in item marked B using an arrow and letter P.

c) Why does one use more effort to lift the load in item marked B than A?

47. a) Write down any one advantage of keeping local breed of chicken.

b) How can the quality of local breed of chicken be improved?

c) In which system of poultry keeping ;

i) is litter used?

48. a) Give any one cause of convulsions.

b) Why is it not advisable to give food or fluids to a convulsing person?

c) How can near drowning be prevented in our community?

d) What is the use of milk given to a person who has been poisoned by chemicals?

49. a) Why does digestion of carbohydrates start from the mouth?

b) What role is played by each of the following in food digestion

- i) tongue
- ii) colon

c) How is the ileum able to absorb digested food?

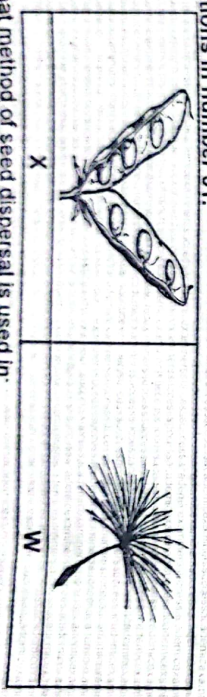
50. a) Mention any one way of maintaining proper sanitation at school.

b) Why should proper sanitation be maintained at school?

c) Give a reason why every home should have,

- i) utensil racks
- ii) rubbish pits

The diagram below shows seeds of different plants. Use them to answer the questions in number 51.



51. a) What method of seed dispersal is used in;

- i) X
- ii) W

b) Name one seed dispersed using method marked X.

c) How is seed marked W able to be dispersed by its agents?

52. a) State any one cause of antisocial behaviour amongst teenagers.

b) Write down **one** example of antisocial behaviour amongst teenagers.

c) Give any one danger of antisocial behaviour to the teenagers.

d) How can antisocial behaviours be reduced amongst teenagers?

53. In four sentences, explain how the electric bell works.

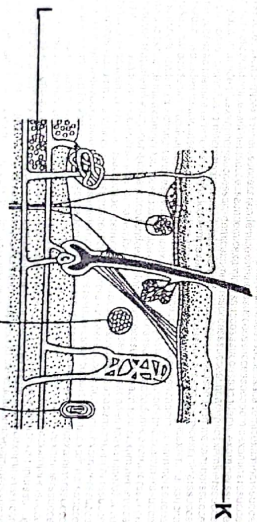
i)

(ii)

iii)

iv

Study the diagram below and use it to answer the questions in number 54.



54. a) Name any **one** body system under which the above organ belongs.

b) How does part marked K help the above organ to regulate body temperature on hot days?

c) State any one way the above organ protects the body.

d Which immunisable disease affects the above organ?

55. a) State any two features of a good granary.

b) Why should harvested crops for storing need to be dried properly?

c) Mention any one common pest that affects stored harvested crops.

END

