

# SUCCESS ACADEMIC FOUNDATION OF UGANDA (SAFU)

END OF TERM I EXAMINATION FOR P.6, 2024



## INTEGRATED SCIENCE

Time Allowed: 2 Hours 15 Minutes

Name: \_\_\_\_\_

School: \_\_\_\_\_

Stream: \_\_\_\_\_

**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".

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

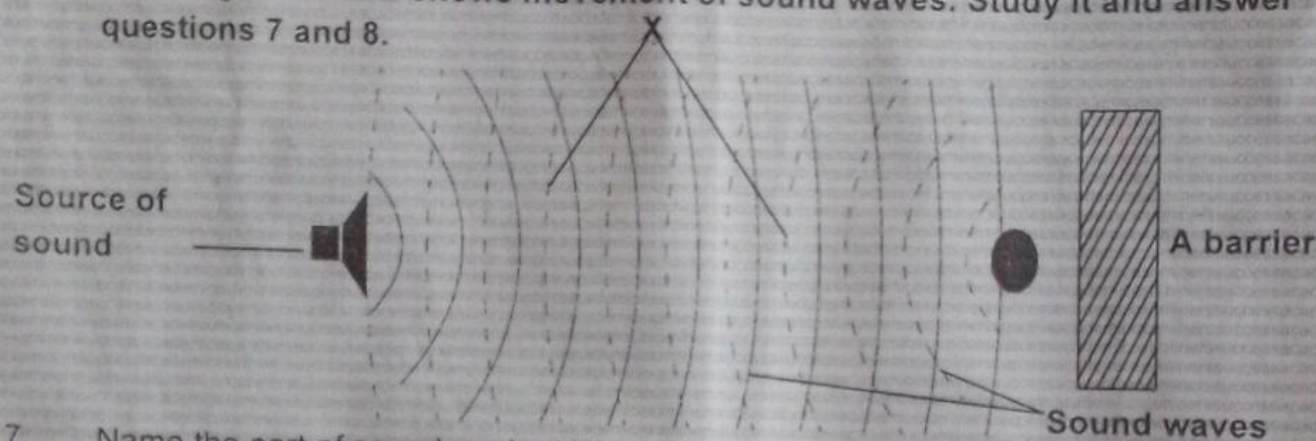


## SECTION A

Questions 1 to 40 carry one mark each.

1. Name the set of teeth that develop first in human beings.  
\_\_\_\_\_
2. State any **one** way of protecting domestic rabbits from diseases.  
\_\_\_\_\_
3. How are nodes in stem cutting of cassava useful after planting?  
\_\_\_\_\_
4. Give a reason why oxygen cannot be used in fire extinguisher.  
\_\_\_\_\_
5. In which group of animals can you place a dog?  
\_\_\_\_\_
6. Mention any **one** component of the circulatory system.  
\_\_\_\_\_

The diagram below shows movement of sound waves. Study it and answer questions 7 and 8.

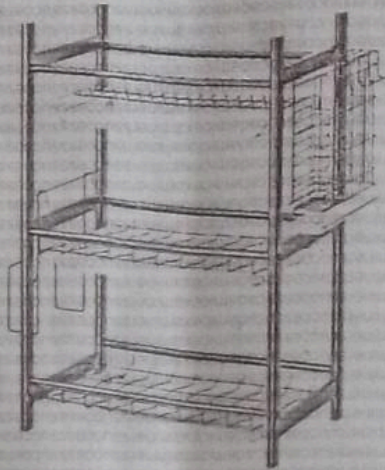


7. Name the part of sound marked X.  
\_\_\_\_\_
8. How can part of sound marked X be controlled in a cinema hall?  
\_\_\_\_\_
9. Write down any **one** type of poultry kept in Uganda.  
\_\_\_\_\_
10. By what process does heat travel through milk?  
\_\_\_\_\_
11. How does timely weeding control crop pests and diseases?  
\_\_\_\_\_
12. Mention **one** characteristic that enables a housefly to spread diseases?  
\_\_\_\_\_
13. Give any **one** sign of a sprain as an accident.  
\_\_\_\_\_
14. State any **one** way P.6 children can get fractures.  
\_\_\_\_\_



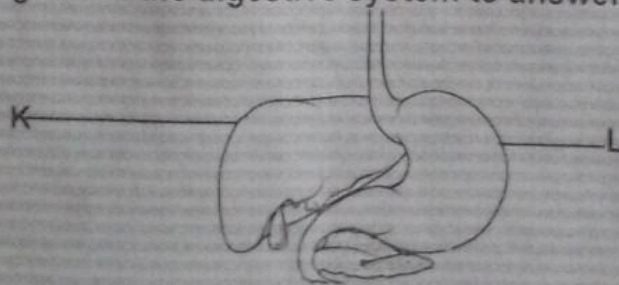
15. In which way can prepared Oral Dehydrated Solution be prevented from contamination?

The diagram below shows a sanitary item at home. Use it to answer questions 16 and 17.



16. Name the sanitary item shown above.
17. Why is the above sanitary item raised from the ground?
18. Write down any **one** group of arthropods.
19. How does sound travel?
20. Give a reason why beddings should be spread under sunshine regularly?
21. Name the method of producing alcohol that does not require heating.
22. How is the smoke useful during honey harvesting?
23. Why do objects weigh less at the moon than on earth?
24. Name the immunisable disease that is controlled using BCG Vaccine.
25. What type of soil erosion is common in areas with gentle slopes or flat?

Use the diagram of the digestive system to answer questions 26 and 27.





26. Name the part marked L.
27. What role is played by the substance produced in part marked K in food digestion
28. Why is sand soil not good for crop growing?
29. Give any one sign of improper growth of teeth.
30. How can night blindness be controlled in children?
31. Give one way in which a razorblade can be used in first aid management.
32. Why is rainfall useful in our environment?
33. Write down any one activity that keeps the circulatory system in a good working condition.
34. Mention any one characteristic of forms of energy.
35. How do plants help in rain formation?

Use the diagram below to answer questions 36 and 37.



36. What type of weather is shown above?
37. Give any one way through which the above weather condition can be useful to man.
38. Write down any one activity carried out by young farmers club in any school.
39. Mention any one similarity between bacteria and fungi.
40. Why do maize plants develop prop roots at the flowering stage?



## SECTION B

41. a) What type of change in the environment occurs when;
- i) cooking fats are heated.  
\_\_\_\_\_
  - ii) a piece of paper burns into ashes.  
\_\_\_\_\_
- b) How useful are the following changes to the environment?
- i) biological changes  
\_\_\_\_\_
  - ii) physical changes  
\_\_\_\_\_

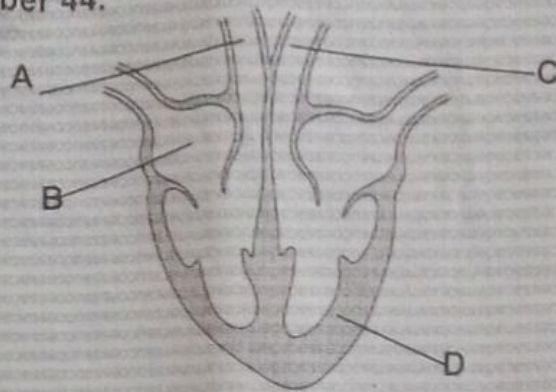
Study the table below carefully and answer the questions that follow.

Group A	Group B	Group C	Group D
Mangoes	Moulds	Man	Salmonella typhi
Cabbages	Yeast	Kangaroo	Chlamydia
Ferns	Mushrooms	Butterfly	Vibrio Cholerae
Maize	Puffballs	Hook worms	Nitrogen fixing bacteria

42. a) Name the group of living things marked B and C
- i) B \_\_\_\_\_
  - ii) C \_\_\_\_\_
- b) How is the feeding of living things in group A different from others in group B, C and D?
- \_\_\_\_\_
- \_\_\_\_\_
- c) In which **one** way are living things that are placed together with organisms in group D useful to man?
- \_\_\_\_\_
43. a) Why would you encourage Ugandans to keep the following;
- i) Angora goats  
\_\_\_\_\_
  - ii) Romney marsh sheep  
\_\_\_\_\_
- b) State any **two** problems faced by people who keep goats and sheep.
- i) \_\_\_\_\_
  - ii) \_\_\_\_\_



Study the diagram of a human heart below and use it to answer the questions in number 44.



44. a) Name the parts marked A and B.

i) A \_\_\_\_\_

ii) B \_\_\_\_\_

b) Give the function of the part marked C.

c) Why is part marked D thick walled?

45. a) Who are vulnerable people?

b) Write down any **two** conditions that can make a person be considered vulnerable.

i) \_\_\_\_\_

ii) \_\_\_\_\_

c) How can you care for a vulnerable person?

46. a) State the element of PHC that is promoted through;

i) covering open wells in the community

ii) taking a pregnant mother for antenatal care.

b) Give any **two** reasons why PHC services should be strengthened in our community.

i) \_\_\_\_\_

ii) \_\_\_\_\_

47. a) Give any **one** source of sugar used in making fermented alcohol.

b) Give any **one** reason why people drink alcohol?

c) Mention **one** body organ affected by alcohol.



d) How can you protect yourself from drinking alcohol?

48. a) How are the following vectors able to spread diseases?

i) houseflies

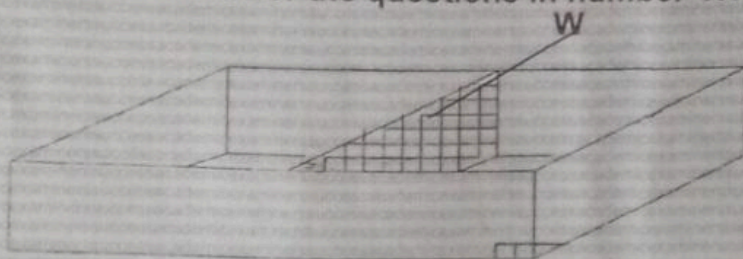
ii) female anopheles mosquitoes

b) Write down any one way of controlling the following vectors

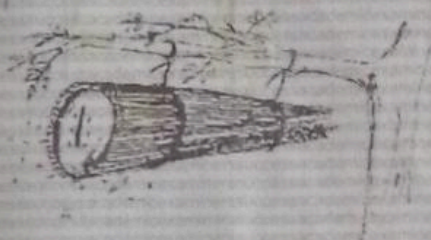
i) houseflies

ii) female anopheles mosquitoes

The diagram below shows bee hives used in our community. Study it and use it to answer the questions in number 49.



A



B

49. a) Name the bee hive marked A and B.

i) A

ii) B

b) Give the function of part marked W in bee hive A.

c) State the advantage of using hive marked B.

50. a) How does each of the following worms enter our bodies;

i) tape worms

ii) hook worms

b) Write down any one sign of intestinal worm infestation.

c) Give any one way of preventing worms from entering our bodies.

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

b) Give any one way of preserving tuber crops.

c) State one pest common in tuber crops.

d) How can pests in tuber crops be controlled?



52. Match the immunisable diseases to the sites where they are administered

**Immunisable diseases**

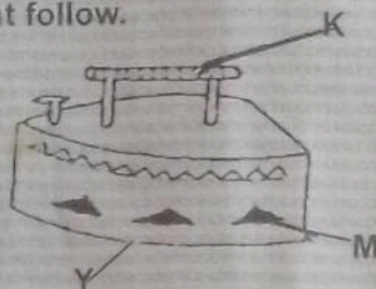
Tuberculosis  
Measles  
Polio  
Whooping cough

**Sites**

Mouth  
Left upper thigh  
Right upper arm  
Left upper arm

- a) Tuberculosis \_\_\_\_\_  
b) Measles \_\_\_\_\_  
c) Polio \_\_\_\_\_  
d) Whooping cough \_\_\_\_\_

The diagram below shows a tool commonly used at homes. Study it and answer questions that follow.



53. a) What do people use the above tool for?  
\_\_\_\_\_  
b) Give the function of holes marked M.  
\_\_\_\_\_  
c) Why is part K commonly made of wood or plastic?  
\_\_\_\_\_  
d) How does heat travel in part marked Y?  
\_\_\_\_\_
54. a) State any two characteristics of arthropods.  
i) \_\_\_\_\_  
ii) \_\_\_\_\_  
b) In which group of arthropods can you place the following.  
i) ticks  
\_\_\_\_\_  
ii) centipedes  
\_\_\_\_\_
55. a) What is air?  
\_\_\_\_\_  
b) Mention any one property of air.  
\_\_\_\_\_  
c) State any one use of air to man.  
\_\_\_\_\_  
d) How can the dangers caused by wind be controlled?  
\_\_\_\_\_

END  
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