



**BUSHENYI DISTRICT LOCAL GOVERNMENT**

**PRIMARY LEAVING MOCK EXAMINATION, 2024**

**INTEGRATED SCIENCE**

**Time Allowed: 2 hours 15 minutes**

Random No.	Personal No.

**Candidate's Name:** \_\_\_\_\_

**Candidate's Signature:** \_\_\_\_\_

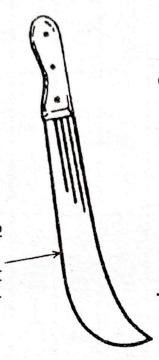
**District ID No.** \_\_\_\_\_

**Read the following instructions carefully**

1. This paper is made up of sections A and B.
2. Section A has 40 questions (40 Marks)
3. Section B has 15 questions (60marks)
4. Answer all questions in both sections
5. All answers must be written in blue or black ball point pen or ink, only diagrams and graph work may be done in pencil.
6. Any handwriting that cannot be easily read may lead to loss of marks.
7. No calculators are allowed in the examination room.
8. Do not fill anything in the table shown: FOR EXAMINER'S USE ONLY.

<b>"For Examiner's Use Only"</b>		
<b>Qn. No.</b>	<b>Marks</b>	<b>Examiners</b>
1 - 10		
11 - 20		
21 - 30		
31 - 40		
41 - 43		
44 - 46		
47 - 49		
50 - 52		
53 - 55		
<b>TOTAL</b>		

## **SECTION A:**

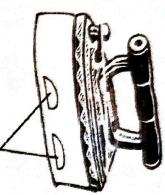
1. Name the longest bone in the human body.
  2. Which gametes in animals performs the similar function as pollen grains in flowers?
  3. Give one way in which plants can be conserved in the environment.
  4. How are carrots propagated?
  5. Which diarrhoeal disease involves the passing out of watery stools with blood stains?
  6. State the method of heat transfer that enables a crop farmer to sundry his crops.
  7. Name the component of air that enables plants to respire.
  8. Why are crushed egg shells commonly added to poultry feeds?
  9. What is the recommended first aid for burns and scalds?
  10. How are earthworms important in the soil?
- The diagram below is a simple tool, use it to answer question 11 and 12.
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- A hand tool with a sharp blade. The tool has a curved, ergonomic handle and a long, thin, straight metal blade attached at the end. The blade is labeled "Sharp blade" with a leader line pointing to it.
11. Which group of simple machines does the tool above belong?
  12. Which force wears out the sharp blade of the above tool?
  13. Name the tool used by a bee farmer to calm down bees when harvesting.
  14. Give a reason as to why male anopheles mosquitoes do not transmit malaria parasites to humans.
  15. Name the cattle disease which is detected by use of a strip cup.

16. How does crop rotation help in the control of pests in the garden?
17. Which type of mirrors is used in operation of periscopes?
18. Give any one characteristic of seeds dispersed by wind.
19. How do plants depend on animals during the process of photosynthesis?
- The diagram below shows a bar magnet, use it to answer the question that follow.
- |   |  |   |
|---|--|---|
| N |  | S |
|---|--|---|
20. Use the arrows to show the magnetic field around the magnet above.
21. How is the function of endo sperm of a maize grain similar to that of cotyledons in a bean seed?
22. Mention one characteristic that shows an ostrich is a bird.
23. How are red blood cells adapted to carry oxygen around the body?
24. Of what advantage is breast feeding to a mother?
25. Name the dairy type of cattle well known for producing milk with the highest fat content.
26. What is excretion?
27. Why is a ventilated pit latrine said to be improved?
28. Apart from stomach, name any other one organ that is affected by alcoholism.
29. Give one reason why polio vaccine is administered to a baby at birth.
30. How is bile useful during digestion of food?

31. Give the importance of wax in the human ear.

32. Name the energy change that takes place in a dry cell in a complete circuit.

The diagram below shows an iron box, study and use it to answer question 33.



33. How important are holes marked R on the iron box?

34. State the body organ responsible for determining the taste of a fruit.

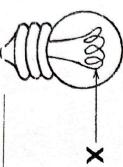
35. Give any one body health habit that can improve the working of the heart.

36. Why do farmers prefer grafting to planting seeds?

37. Give the reason why a tadpole dies shortly after being removed from water.

38. Write down one secondary characteristic that is common to both adolescent boys and girls.

39. Name the part marked X in the diagram below.



40. What happens to light rays when they meet a concave lens?

### **SECTION B:**

41. (a) Name any two vectors that spread germs to humans.

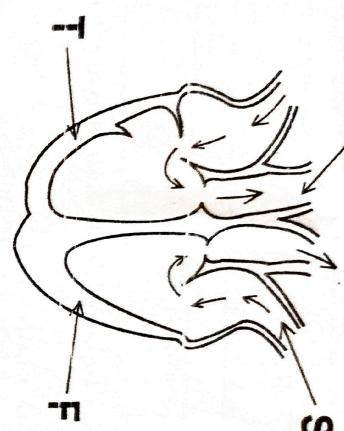
(i) \_\_\_\_\_

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

(b) Besides using insecticides, give any one other way of controlling vectors.

(c) Give any one health danger of using excessive insecticides.

42. The diagram below is of a human heart. Study it and answer questions that follow



(a) Which type of blood is carried by blood vessels marked?

(i) R \_\_\_\_\_

(ii) S \_\_\_\_\_

(b) Why is part marked F thicker than part T?

(c) Which body organ is blood vessel S transporting blood from?

43. (a) Which component of air is increased during burning?

(b) Give any two ways how fire outbreak can be controlled.

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

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

(c) Why is it not advisable to put off petrol fire using water?

44. Match each part of the human eye in list A with its function in list B.

A	B
Iris	is where images are formed.
Pupil	keeps out light.
Eyelid	regulates amount of light entering into the eye.
Retina	regulates size of the iris.

(i) Iris \_\_\_\_\_

(ii) Pupil \_\_\_\_\_

(iii) Eyelid \_\_\_\_\_

(iv) Retina \_\_\_\_\_

45. (a) Define the term primary health care.

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(b) Mention two principles of PHC.

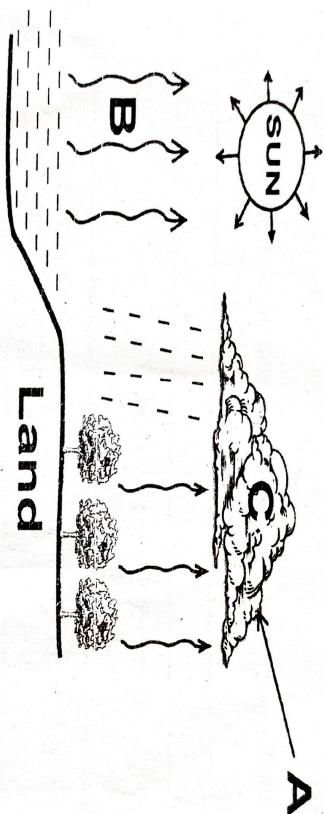
(i) \_\_\_\_\_

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

(c) How can an individual promote primary health care?

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46. The diagram below shows the water cycle. Study and use it to answer the questions that follow.



(a) Name the type of clouds represented by letter A.

(b) State the process taking place at B and C.

(i) B \_\_\_\_\_

(ii) C \_\_\_\_\_

(c) How are plants important in the process of rain formation above?

47. The list below shows a group of organisms, study and answer questions that follow.

Mosquito      Spider      Cockroach      Water snail

(a) How are the above organisms similar?

(b) Name any one aquatic organism from the list above.

(c) Give any one structural difference between a spider and a cockroach.

(d) How useful is a spider in a home?

48. (a) Define the term **casualty**.

(b) Write down any two reasons for giving first aid to a casualty.

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

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

(c) What is the recommended first aid for a person who has near drowned?

49. (a) State the method that can be used to separate;

(i) Iron bits from maize grains \_\_\_\_\_

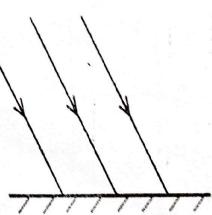
(ii) Tea leaves from tea \_\_\_\_\_

(b) Give one importance of evaporation in daily life.

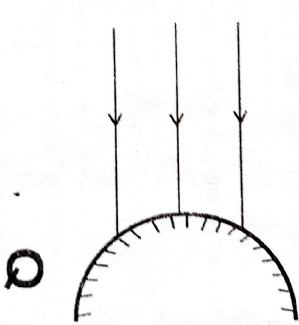
(c) Why is evaporation considered as a physical process?

50. The diagrams below show types of mirrors. Use them to answer questions that follow.

(i)



(ii)



P

Q

(a) Complete the diagram correctly to show how light behaves on meeting each of the following mirrors.

(i) P \_\_\_\_\_

(ii) Q \_\_\_\_\_

(b) Identify the types of mirrors labelled with letters

(i) P \_\_\_\_\_

(ii) Q \_\_\_\_\_

51. (a) Define the following terms in relation to sound.

(i) Pitch \_\_\_\_\_

(ii) Frequency \_\_\_\_\_

(iii) Echo \_\_\_\_\_

(b) Mention **one** method of storing \_\_\_\_\_

52. (a) How are incisor teeth adapted to \_\_\_\_\_

(b) Give any **two** ways how one can care for the teeth  
(i) \_\_\_\_\_  
(ii) \_\_\_\_\_

(c) Identify **one** material used to prevent tooth decay \_\_\_\_\_

53. (a) What name is given to the green plants \_\_\_\_\_

(b) Mention **two** raw materials needed for photosynthesis  
(i) \_\_\_\_\_  
(ii) \_\_\_\_\_  
(c) Why can't photosynthesis take place in water? \_\_\_\_\_

54. (a) Name the addictive substance found in tobacco \_\_\_\_\_

(b) State **one** danger of staying near smokers \_\_\_\_\_

(c) Mention **two** life skills one can acquire from smoking  
(i) \_\_\_\_\_  
(ii) \_\_\_\_\_

55. Farmers usually burn polythene to clear land. Why is this a bad farming practice? \_\_\_\_\_

(a) Why is this a bad farming practice?  
without burning? \_\_\_\_\_  
  
(b) Give **two** ways how polythene waste can be disposed of  
(i) \_\_\_\_\_  
(ii) \_\_\_\_\_  
(c) What measure can a farmer take