



THE REPUBLIC OF UGANDA

## HOIMA CITY PRIMARY SCHOOLS ACADEMIC BOARD

### PRE-PRIMARY LEAVING EXAMINATION, 2022

## PRIMARY SEVEN

## INTEGRATED SCIENCE

Time Allowed: 2 hours 15 minutes

Random Number	Personal Number

Candidate's Name: .....

Candidate's Signature.....

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

Read the following instructions carefully:

1. This paper is made up of **two 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 a 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 easily be read may lead to loss of marks.
8. Do not fill anything in the box indicated "For examiners' use only" and those inside the question paper.

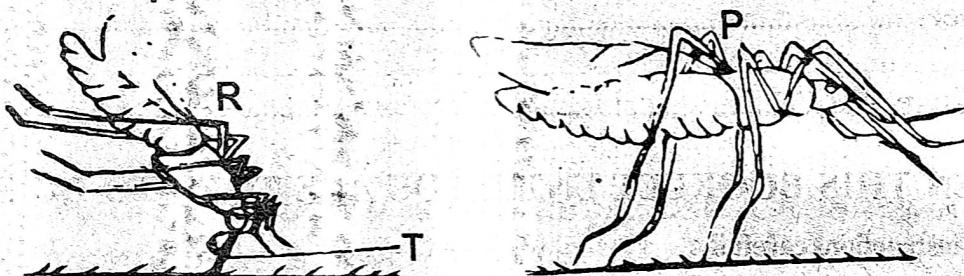
FOR EXAMINER'S USE ONLY		
Qn. No.	Marks	Exrs' No.
1 - 10		
11 - 20		
21 - 30		
31 - 40		
41 - 43		
44 - 46		
47 - 49		
50 - 52		
53 - 55		
<b>TOTAL</b>		

**SECTION A: (40 Marks)**

**Questions 1 to 40 carry one mark each.**

1. Name the element of weather that dries our clothes.
2. State any **one** way of reducing noise made by moving parts of machines.
3. Which component of soil gives it a dark colour?
4. Name the STD that causes pus discharge in the urethra of men.
5. Apart from breathing, give other function of stomata to plants.
6. Name the accident in which splints are used.
7. Which germ causes anthrax in cattle?

**The diagrams below are of common vectors. Use them to answer questions 8 and 9.**



8. Identify the disease spread by the vector marked P.
9. Give the use of the part marked T to the above vectors.
10. Name the type of pulley in which the effort is applied upwards.
11. How is a swim bladder useful to fish?
12. Give **one** way in which white blood cells defend the body against diseases.
13. Which form of energy is stored in food?
14. Write **one** activity done by farmers to control external parasites.
15. Name the common fungal infection that attacks between toes and fingers.

What is the importance of stigma in flowers during pollination?

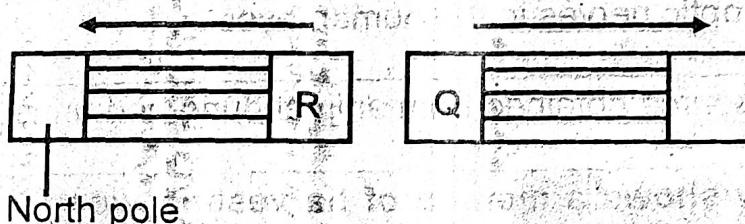
7. State the function of optic nerves in the human eyes.
8. Name the energy resource obtained from animal dung and urine.

The diagram below shows a method of harvesting wood.  
Use it to answer question 19.



19. Name the method of harvesting wood shown above.
20. Which injury results from the tearing of muscles in the body?
21. Write one characteristic of a modern bee hive.
22. What kind of magnet is used by health workers in the hospital?
23. Name the structure that mixes food with saliva in the mouth.
24. Which farm practice is done to humble male cattle?
25. Name the class of vitamins that make bones and teeth to grow stronger.
26. State one way a slug is similar to a grasshopper.
27. Why is displacement method used to measure the volume of a stone?
28. Give the fluid that reduces friction at the joint.
29. Write one activity done by health prefects to promote health at school.
30. Give one danger of wetland drainage to water animals.

The diagram below is of a property of magnets. Use it to answer questions 31 and 32.



31. Identify the property of magnets shown above.

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32. Name the pole marked Q.

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33. Give any one way of promoting food security in the community.

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34. How is the function of pulmonary vein different from that of pulmonary artery?

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35. Name the lens that causes light rays to spread outwards.

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36. Give any one product found in the air we breathe out.

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37. State the importance of feeding a cow well in a milking period.

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38. Give one way carbon dioxide is useful to plants.

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39. Which immunisable disease can be got by drinking contaminated water?

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40. Give any one way of saving electricity at home.

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#### SECTION B (60 Marks)

Questions 41 - 55, carry four marks each.

41. (a) Apart from covering, give other two ways of preventing food contamination.  
(i) \_\_\_\_\_  
(ii) \_\_\_\_\_
- (b) How does covering of food prevent it from contamination?  
\_\_\_\_\_
- (c) Name one method of preserving food that does not involve the use of heat.  
\_\_\_\_\_

42. (a) What name is given to the period when the body becomes sexually mature?

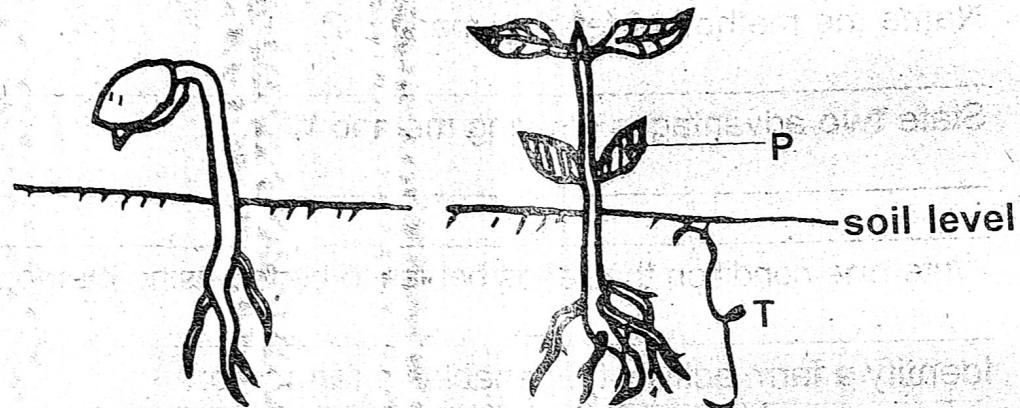
(b) Give **one** primary sex characteristic that occurs in girls.

(c) State the function of the following reproductive organs.

(i) Ovaries

(ii) Testicles

43. *The diagram below is a germinating seed. Use it to answer the questions (a - d) as shown.*



(a) What type of germination is shown above?

(b) Why does the cotyledon at P turn green?

(c) Which part of a seed grows into the system marked T?

(d) State the importance of dressing seeds before planting.

44. (a) Write any **two** characteristics of images formed by plane mirrors.

(i)

(ii)

(b) Give any **one** use of plane mirrors to human beings.

(c) Why does a plane mirror form regular reflection?

45. (a) Give any **two** values of essential drugs to a human being.

(i)

(ii)

(b) Write **two** ways in which body poisoning with drugs can be prevented.

(i)

(ii)

46.

The diagram below shows the method of feeding babies. Use them to answer question 46.



(a) Name the method of feeding marked Z.

(b) State two advantages of using method W.

(i)

(ii)

(c) Write one condition that leads babies to be fed using method Z.

47. (a)

Identify a farm activity that enables a farmer to reduce extra branches from a tree.

(ii) break the life cycle of pests.

(iii) control plant population.

(b) Give a reason why farmers use herbicides on their farms.

48. (a)

Write any two ways in which bacteria are useful to human beings.

(i)

(ii)

(b) How do bacteria reproduce?

(c) State any one similarity between bacteria and fungi.

49.

The list below is of a feeding relationship among organisms. Use it to answer questions (a) to (c)

A dog

Rabbit

Cabbage plant

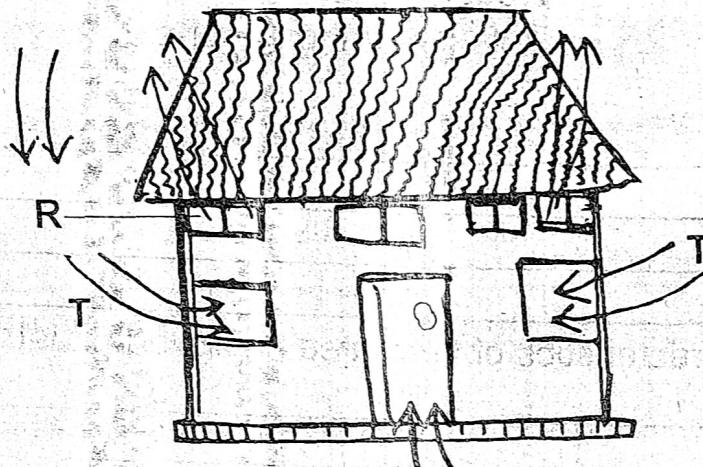
(a) Name the primary consumer in the above food chain.

(b) Draw the arrows to show the flow of energy.

- (c) State the importance of the following in the food chain  
(i) plants.

- (ii) bacteria.

50. *The diagram below shows the movement of air in a living house. Use it to answer questions that follow.*



- (a) What do the arrows represent in the above house?  
(b) Name the type of air represented by the arrows marked T.  
(c) Why are the structures R fixed slightly above the windows and door?  
(d) State the importance of constructing a house with damp proof course.

51. (a) Give any two breeds of sheep reared for wool production.

(i)

(ii)

(b) Apart from wool, give other reason for rearing sheep.

(c) State the importance of hoof trimming in sheep.

52. (a) Write two uses of wood fuel to human beings.

(i)

(ii)

(b) Apart from the use of clay made stoves, give any other way of conserving wood fuel.

(c) Why do clay made stoves use less charcoal than metallic stoves?

53.

**Match the items in List A with those in List B correctly.**

**A**

- (i) Stomach
- (ii) Platelets
- (iii) Cortex
- (iv) Lungs

**B**

- filters blood.
- excretes carbon dioxide.
- produces gastric juice.
- clots blood incase of cut.

- (i) Stomach \_\_\_\_\_
- (ii) Platelets \_\_\_\_\_
- (iii) Cortex \_\_\_\_\_
- (iv) Lungs \_\_\_\_\_

54. (a) Give two characteristics of ventilated improved pit latrines.

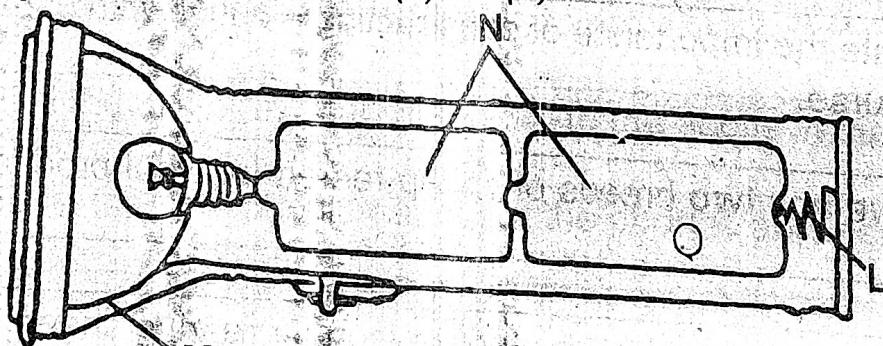
- (i) \_\_\_\_\_
- (ii) \_\_\_\_\_

(b) Write any one practice done to reduce bad smell in an ordinary pit latrine.

(c) State the importance of proper management of human wastes.

55.

*The diagram below is of a torch. Use it to answer questions as shown (a) to (d).*



(a) Name the part marked M.

(b) State the function of the part marked L.

(c) How can a person increase the brightness of light in the bulb above?

(d) What type of beam is produced by the above torch?