



THE REPUBLIC OF UGANDA

**HOIMA CITY PRIMARY SCHOOLS ACADEMIC BOARD**  
**PRE-PRIMARY LEAVING EXAMINATION, 2024**

**PRIMARY SEVEN**  
**INTEGRATED SCIENCE**

*Time Allowed: 2 hours 15 minutes*

Random Number						Personal Number		

Candidate's Name:.....

Candidate's Signature:.....

School Name:.....

District ID:.....

**Read the following instructions carefully:**

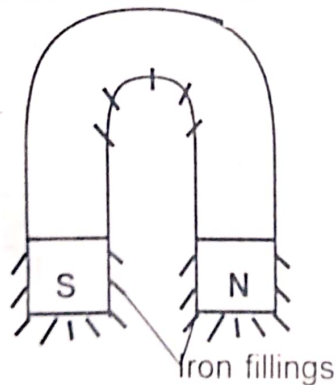
1. This paper is made up of **two** Sections: A and B.
2. Section A, has **40** short-answer questions (**40 marks**).
3. Section B has **15** questions (**60 marks**).
4. Answer **ALL** questions. All answers to both Sections A and B **MUST** be written in the spaces provided.
5. All answers **MUST** 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 EXAMINERS' 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		
TOTAL		

**SECTION A: (40 Marks)**

1. Name the body sense that enables us to detect sound.  
\_\_\_\_\_
2. Which component of blood transports digested food?  
\_\_\_\_\_
3. State the characteristic of epigeal germination.  
\_\_\_\_\_
4. Give the part of a fuse that melts incase of high voltage.  
\_\_\_\_\_
5. State the excretory function of the human liver.  
\_\_\_\_\_
6. Name the process by which sugar solution changes into alcohol.  
\_\_\_\_\_
7. Why is it dangerous to keep the compound bushy?  
\_\_\_\_\_
8. State the importance of maintaining correct crop spacing in a garden.  
\_\_\_\_\_
9. Apart from carbohydrates, give other class of food that provides energy.  
\_\_\_\_\_

*The diagram below is of an artificial magnet. Use it to answer questions 10 and 11.*



10. Identify the artificial magnet shown above.  
\_\_\_\_\_ ☐
11. Why are most iron fillings attracted at the ends of the above magnet?  
\_\_\_\_\_
12. Name the type of heat that causes scalds.  
\_\_\_\_\_
13. Which property of air enables a child to fly a kite?  
\_\_\_\_\_

14. Write any **one** sign of poor personal hygiene.

15. How is the function of human skin similar to that of the kidneys?

16. State the advantage of practising early planting.

17. Name **one** raw material used by plants to make starch.

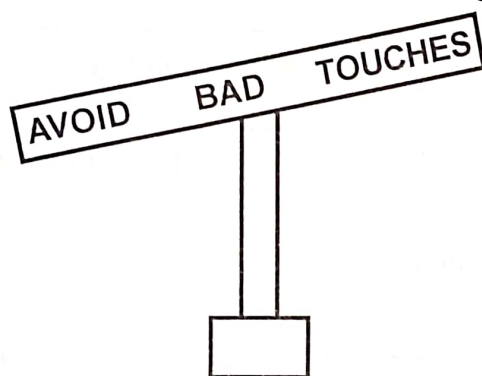
18. Give the importance of steaming up in goat keeping.

19. Which tissues join bone to another bone in the joint?

20. How is the function of iris in the eyes similar to the diaphragm in a camera? ☐

21. State the characteristic of a queen bee.

The illustration below is of a health message in the school compound.



22. How is the above health message useful to the school children?

23. Apart from typhoid, give any other disease got through drinking contaminated water.

24. How do animals help in the growth of plants?

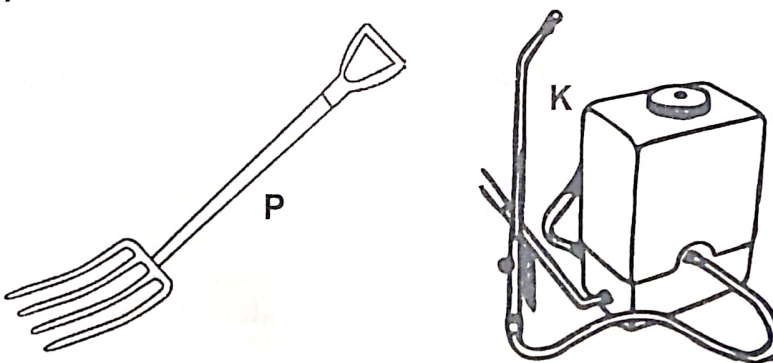
25. Name any **one** liquid that does not form uniform mixture with water.

26. Write any **one** project done by school children to get income.

27. Give any **one** way of controlling rubbish that do not rot in the environment.

28. Where does food go after leaving the stomach?  
\_\_\_\_\_
29. Why are sick people advised to feed on a balanced diet?  
\_\_\_\_\_
30. Give any **one** practice done to control diseases in a poultry farm. ☐
31. State any **one** role of the village health team in promoting health.  
\_\_\_\_\_
32. Which type of objects do not produce their own light?  
\_\_\_\_\_
33. Apart from amphibians, give other group of vertebrates that undergo external fertilization.  
\_\_\_\_\_
34. Name **one** disease whose vaccine is given to babies at 14 weeks.  
\_\_\_\_\_
35. State the use of windmill to human beings.  
\_\_\_\_\_
36. How is the nose useful during the process of breathing?  
\_\_\_\_\_
37. Name the part of the human body where immovable joint is found.  
\_\_\_\_\_
38. State the role of a school health club in the control of HIV / AIDS.  
\_\_\_\_\_

*The diagram below shows garden tools. Use it to answer questions 39 and 40.*

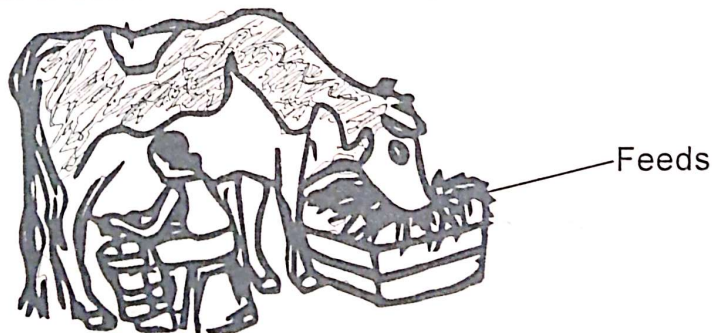


39. Name the garden tool marked P.  
\_\_\_\_\_
40. Give **one** activity in the garden done using the garden tool K. ☐



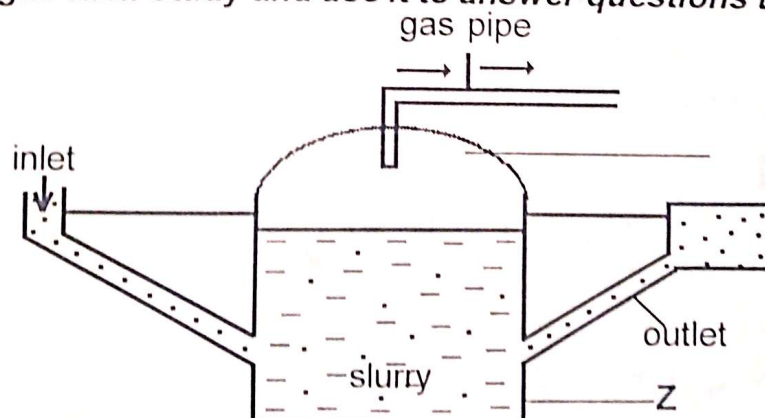
**SECTION B: (60 Marks)**

41. (a) Apart from houseflies, give **one** other insect vector that contaminates food.  
\_\_\_\_\_
- (b) Give any **one** way in which houseflies contaminate food.  
\_\_\_\_\_
- (c) Write any **two** activities done to control houseflies from breeding.  
(i) \_\_\_\_\_  
(ii) \_\_\_\_\_
42. (a) How are ribcages useful to human beings?  
\_\_\_\_\_
- (b) What happens to the ribcages when we breathe in?  
\_\_\_\_\_
- (c) Name the part of the human body where oxygen enters blood.  
\_\_\_\_\_
- (d) State the use of oxygen in the human body.  
\_\_\_\_\_
43. (a) Name the form of energy that cannot pass through a vacuum.  
\_\_\_\_\_
- (b) Give a reason why the above form of energy cannot pass through a vacuum.  
\_\_\_\_\_
- (c) Write **two** ways heat spreads through matter.  
(i) \_\_\_\_\_  
(ii) \_\_\_\_\_
44. *The diagram below shows a method of obtaining milk from a cow. Use it to answer questions.*



- (a) Name the method of obtaining milk from a cow shown above.  
\_\_\_\_\_

- (b) Write any **two** activities done to obtain clean milk from a cow.
- (i) \_\_\_\_\_
- (ii) \_\_\_\_\_
- (c) State the importance of feeding a cow during milking.
- \_\_\_\_\_
45. (a) Apart from wedges, give other **two** classes of simple machines.
- (i) \_\_\_\_\_
- (ii) \_\_\_\_\_
- (b) State any **two** ways people use wedges to prepare food.
- (i) \_\_\_\_\_
- (ii) \_\_\_\_\_
46. (a) Name any **one** vegetable crop that can be first grown in a nursery bed.
- \_\_\_\_\_
- (b) Why are such vegetables first planted in the nursery bed?
- \_\_\_\_\_
- (c) Give any **two** ways of caring for the vegetable seedlings in a nursery bed.
- (i) \_\_\_\_\_
- (ii) \_\_\_\_\_
47. (a) Identify the population health concerns that can be solved by;
- (i) Providing dustbins \_\_\_\_\_
- (ii) Growing more food crops \_\_\_\_\_
- (b) State the importance of the following items in a school.
- (i) Dustbins \_\_\_\_\_
- (ii) A rack \_\_\_\_\_
48. *The diagram below shows an equipment used to make gas fuel. Study and use it to answer questions that follow.*



- (a) Name the equipment marked Z.
- \_\_\_\_\_

- (b) Give **one** material that can be used in the equipment Z.  
\_\_\_\_\_
- (c) Why is water added to the equipment marked Z?  
\_\_\_\_\_
- (d) Give **one** use of the gas fuel produced above.  
\_\_\_\_\_
49. (a) Write any **two** health services provided to pregnant women in antenatal clinics.  
(i) \_\_\_\_\_  
(ii) \_\_\_\_\_
- (b) Give any **two** ways of caring for pregnant women at home.  
(i) \_\_\_\_\_  
(ii) \_\_\_\_\_
50. **You are provided with dry lump of soil, a glass and water.**  
(a) Write the steps you would follow to show that soil contains air.  
(i) \_\_\_\_\_  
(ii) \_\_\_\_\_  
(iii) \_\_\_\_\_
- (b) Name the component of soil formed through decomposition of organic matter.  
\_\_\_\_\_
51. (a) Name the part of a grasshopper that;  
(i) is used for hearing sound \_\_\_\_\_  
(ii) is used for breathing \_\_\_\_\_
- (b) To which group of arthropods do grasshoppers belong?  
\_\_\_\_\_
- (c) How is the body structure of grasshoppers different from that of ticks?  
\_\_\_\_\_

52. ***The list below is of living organisms in the environment. Study and use it to answer questions that follow.***

**Frogs**

**Insects**

**Maize plants**

- (a) What does the above list represent?  
\_\_\_\_\_
- (b) Draw the arrows to show the flow of energy among the above organisms.  
\_\_\_\_\_



(c) Identify the secondary consumer from the above list.

(d) How are maize plants useful to other organisms in the above list? ☐

53. (a) Which type of reflection takes place in plane mirrors?

(b) Give **two** characteristics of images formed in plane mirrors.

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

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

(c) State **one** use of plane mirrors to human beings.

54. (a) In which part of the female reproductive system does each of the following take place?

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

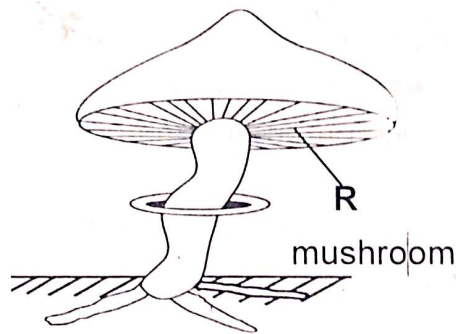
(ii) Fertilisation \_\_\_\_\_

(b) How are the following useful in the process of human reproduction?

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

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

55. **Study the diagram below and answer the questions about it.**



(a) Name the part of a mushroom marked **R**.

(b) State **one** way in which the two organisms are similar.

(c) Identify any **one** organism that belongs to the same group as the;

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

(ii) Moss \_\_\_\_\_ ☐

\*\*\*END\*\*\*