



# NANSANA MUNICIPALITY - WAKISO

## EDUCATION DEPARTMENT.

PRE - PLE INTEGRATED SCIENCE - 2024

DURATION : 2 HOURS 15 MINUTES

Random No.	Personal No.

Name: ..... Stream: .....

DISTRICT ID

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EMIS No. ....

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

Read the following instructions carefully

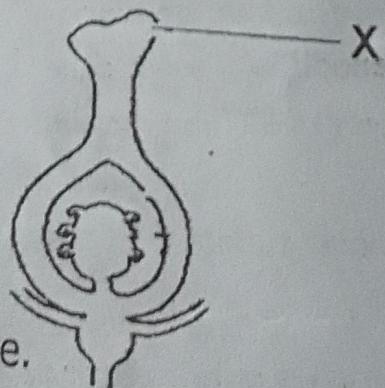
1. This paper is made up of two Sections: A and B
2. Section A, has 40 questions (40 marks)
3. Section B has 15 question (60 marks)
4. Attempt ALL questions. All answers to both Section A and B Must be written in the spaces provided.
5. ALL answers must be written in blue or black ballpoint or ink but not in pencil. All work done in pencil, except diagrams, will NOT be marked
6. Crossing out of answers will lead to loss of marks.
7. Any handwriting that cannot be easily read may lead to loss of marks.
8. Wrong spelling will lead to loss of marks.

FOR EXAMINERS USE ONLY		
QN. NO.	MARK	SIGN
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 any one process involved in rain formation.
2. Write down any one state of matter through which heat is transferred by convection?
3. How does mulching of gardens reduces the cost of farm management?
4. Name the plant system that develops from the plumule.
5. Write down any one non infectious disease of the respiratory system.
6. Write down any one vitamin deficiency disease that you know.
7. Apart from reptiles, give any other group of vertebrates that is cold blooded.
8. Give any one way friction is a nuisance to people.
9. Why is a sweet potato plant referred to as a root tuber?
10. What is the importance of maggots in a pit latrine?

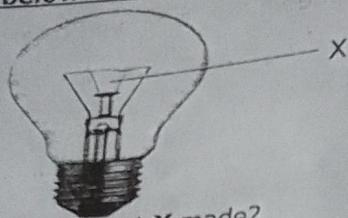
**The diagram below shows part of a flower. Use it to answer questions 11 and 12**



11. Name the part of a flower shown above.

12. What happens to the pollen grains when they fall on part X above?
- .....
13. Which part of the eye allows light into it?
- .....
14. Name any one bacterial tick borne disease in cattle.
- .....
15. State the role of arteries in our bodies.
- .....
16. Write the energy change that occurs when a flying bird rests on a tree.
- .....
17. What name is given to the male reproductive cells in mammals?
- .....
18. How are bacteria important to farmers?
- .....
19. Give one way castration can be important on a cattle farm
- .....
20. Name the component of air that helps in the preservation of beverages.
- .....
21. Which method can a P.7 child use to magnetize a nail without using a magnet?
- .....
22. Prisha is usually seen skipping the rope in the morning. State the importance of Prisha's habit to the skeletal system.
- .....
23. What term is used to explain too old drugs too be used by a patient?
- .....

The diagram below is a bulb. Use it to answer questions 24 and 25



24. From which mineral is part X made?
25. Why is part marked X coiled?
26. Write one way of controlling the spread of malaria at home.
27. Why do crawling babies commonly suffer from diarrhea?
28. Name the substance that exists in all the three states of matter.
29. Write down any one animal fibre that you know.
30. Write down any one inedible product got from poultry.
31. Which resource in the environment enables the skin to make vitamin D?
32. Why do we carry out wringing during the washing of cloths?
33. Why do most crop farmers plant their crops during the wet season?
34. An object of density  $3\text{g}/\text{c}$  has a volume of  $2\text{cc}$ . Calculate its mass.
35. Give any one cause of anti-social behaviour among young children.

6. Do not ..... may lead to loss of marks

36. Why do butterflies lay eggs on plant leaves?

The diagram below shows a foot of a bird. Use it to answer questions 37 and 38.



37. Name the group of birds with such a foot drawn above.

38. Write down any one example of a bird with such a foot.

39. Give one way a farmer can obtain clean milk during milking.

40. State the functional difference between the gills of a fish and the gills of a mushroom.

### Section B

(Questions 41 to 55 carry 60 Marks.)

41. a) Write down any two causes of soil erosion.

i) .....

ii) .....

b) Which agent of soil erosion causes gullies?

c) How does soil erosion lead to soil infertility?

42. a) Why should pregnant mothers be immunized with T.T vaccine?

b) On which part of the body is COVID 19 vaccine administered?  
.....

c) Name any two vaccines administered to infants orally.  
i) .....  
ii) .....

43. Mr. Matama is a nurse in Jinja hospital. She measured Mutesi's temperature and found out that it was  $3^{\circ}\text{C}$  above the normal human body temperature.  
a) What was Mutesi's body temperature?  
.....

b) Name the condition Mutesi was suffering from.  
.....

c) Write any one possible cause of the condition name in "a" above.  
.....

d) Which first aid can you administer to Mutesi?  
.....

44. a) Why is HIV/AIDS taken to be a dangerous disease in Uganda today  
.....

b) State any two community related practices that have increased the spread of HIV/AIDS  
.....

i)  
ii)  
c) How can school going children guard themselves against the dangers of HIV/AIDS.  
.....

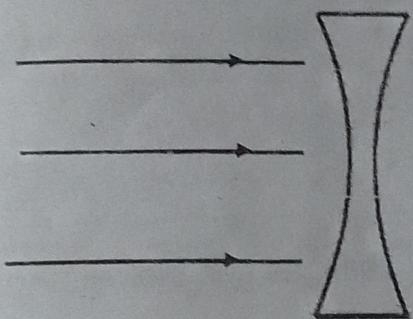
45. **The table below shows plant processes. Study it carefully and match items in A with those in B correctly.**

A	B
Germination	The process plants get water from the soil.
Transpiration	The process seeds develop into new plants.
Photosynthesis	The process plants release water in form of vapour.
Osmosis	The process plants make food.

Germination .....  
Transpiration .....  
Photosynthesis .....  
Osmosis .....

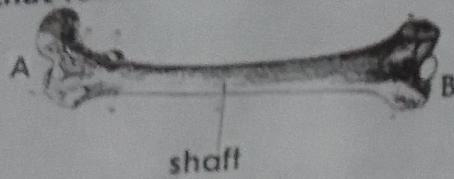
45. a) Give one reason why a frog is able to live both in water and on land.
- b) To which group of vertebrates does a frog belong?
- c) What is the importance of the slippery jelly found on the eggs of a frog?
- d) Which type of fertilization do the eggs of frogs undergo?

47. Study the diagram of the lens below and answer the questions about it correctly.



- a) Complete the rays of light after passing through the above lens
- b) Name the lens drawn above.
- c) Which eye defect is corrected by using the above lens?
- d) State the effect of the above lens on a parallel beam of light.

48. The diagram below shows a human bone. Use it to answer the questions that follow.



- a) To which type of bones does the above belong?  
.....
- b) How is the joint at A different from that at point B?  
.....

- c) Give any two functions of bones in the human body.  
i) .....  
ii) .....

49. a) Give any two examples of physical changes.

- i) .....  
ii) .....

b) State any one characteristic of chemical changes.

c) Write down any one similarity between chemical changes and biological changes.

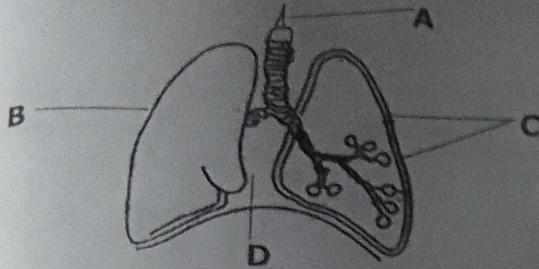
50. a) Mention any one system of poultry keeping where many birds can be kept.

b) Apart from egg production, give any other two reasons why farmers keep poultry.

- i) .....  
ii) .....

c) Give any one example of a protozoan disease in poultry.

51. Below is a body system. Use it to answer questions that follow.



- a) Name part marked **A**.
- b) What happens to part **D** during inhalation?
- c) State any one adaptation of structures marked **C** to their function.
- d) Write down any one way of caring for the body system above.
52. a) State the role of enzymes during the process of food digestion
- b) Write down any two characteristic of enzymes.
- i) .....
- ii) .....
- c) Name the enzyme that helps in the digestion of fats in the duodenum.
53. a) What is drug prescription?
- b) Give any two reasons for prescribing drugs.
- i) .....
- ii) .....
- c) Apart from preventing drug poisoning, give one other reason for keeping drugs out of children's reach.

54. The diagram below is of toilet. Use it to answer the questions that follow.



- a) Name part marked A.
- b) What is the importance of the water that remains in part B after flushing?
- c) Write down any one problem likely to be faced by people who use the toilet above
- d) Apart from flushing it after use, how else can a P.7 candidate care for the toilet above?

55. A pupil accidentally poured salt into a polythene bag having sand. In four sentences explain what should be done to recover the salt.

- i) .....
- ii) .....
- iii) .....
- iv) .....

**END**