



**ASK INTEGRATED TEACHERS'  
EXAMINATIONS BUREAU LIMITED  
PRE REGISTRATION EXAMS  
2025  
INTERGRATED SCIENCE**

***Time allowed: 2 hours 15 minutes***

**Index No.**

**:**

Random Number						Personal No.		

**DISTRICT ID NO**

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**Read the following instructions carefully**

**Do not write your school or District name anywhere on this paper.**

**1. This paper has two sections A and B.**

Section A has 20 questions and Section B has 12 questions. This paper has **16** printed pages.

**2. Answer all questions. All the working for both sections A and B must be shown in the spaces provided.**

**3. All working must be done using a blue or black**

ball-point pen or fountain pen. Any work done in pencil other than diagrams will not be marked.

**4. No calculators are allowed in the examination room.**

**5. Unnecessary changes in your work may lead to loss of marks.**

**6. Any handwriting that cannot easily be read may lead to loss of marks.**

**7. Do not fill anything in the table indicated:**

**"For Examiners' Use Only" and boxes in side the question paper.**

FOR EXAMINERS ONLY		
Qn. No.	MARKS	EXR'S 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 any one example of a root tuber.

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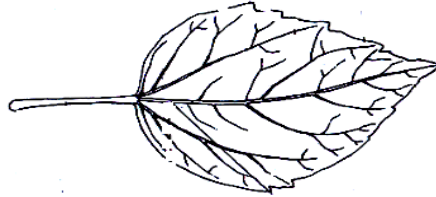
2. Which disease can one suffer from due to lack of water for cleaning eyes?

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3. Give one reason why small stones are added to poultry feeds.

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The diagram below shows a type of leaf venation. Use it to answer the question that follows.



4. Identify any one plant with the above leaf venation.

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5. Why is it important to iron clothes after washing them?

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6. Give one use of an arm sling in giving first aid for fractures.

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7. Apart from ferns, which other plant produces by means of spores?

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8. Name any one mammal that can live both on land and in water.

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9. What is pollution?

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10. Give one way of controlling soil erosion on a flat land.

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11. Apart from milk, name one other protein food got from cattle.

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12. Why should a husband and wife go for HIV testing together?

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13. Name the practice in poultry that enables birds to exercise their body in a deep litter house.

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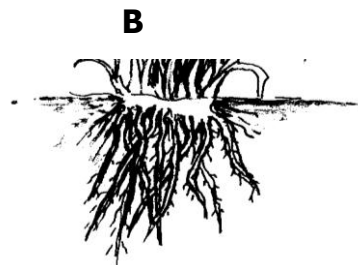
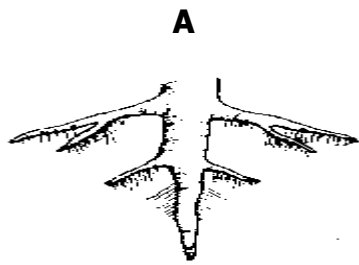
14. Which food nutrient is responsible for strong bones and teeth?

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15. How do moles benefit from loam soil?

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The diagrams below are types of root systems. Use them to answer the questions that follow.



16. Give one difference between the root system marked A and B in the diagrams above.

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17. Mention one example of plants with the root system shown in diagram A.

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18. Give one use of carbohydrates in the human body.

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19. How do trees contribute to the water cycle?

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20. Give one use of gloves to a person harvesting honey.

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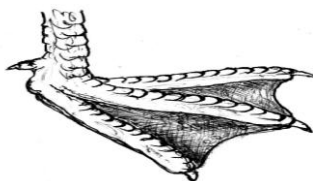
21. Why do human beings use blankets to cover their bodies during cold nights?

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22. Give any one danger of improper disposal of human excreta.

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The diagram below shows a foot of a bird. Use it to answer the questions that follows.



23. Name the group of birds where the bird with a foot shown in the diagram above belongs.

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24. How is the adult stage of a housefly dangerous to human beings?

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25. Give one advantage of using charcoal saving stoves for cooking to the environment.

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26. State the role of the oviduct in a female reproductive system.

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27. In which one way does a child get natural immunity?

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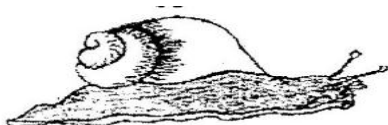
28. How is a burn different from a scald?

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29. Which component of air occupies the largest percentage?

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The diagram below is on an invertebrate. Use it to answer the question that follows



30. To which group of invertebrate does the one shown in the diagram above belong?

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31. Which type of clouds is a clear sign of rain?

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32. How does smoke move through the chimney of the kitchen?

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33. What role does a cotyledon play on a germinating bean seed?

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34. State the living organism which causes malaria in human beings.

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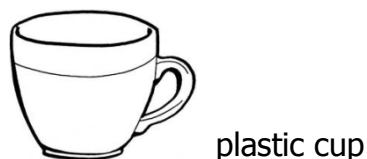
35. Why does digestion of starch take place in the mouth?

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36. Give one benefit of having a strip cup in cattle management.

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The diagram below shows two cups made up of different materials. Use them to answer the questions that follow.



plastic cup

37. Which of the two cups had hot milk after 20 minutes?

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38. Give one danger of burning polythene bags in the environment.

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39. How does mulching help to maintain soil fertility?

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40. What happens to the lungs when we breathe in?

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## SECTION B: 60 MARKS

41.a) Give any two examples of chemical changes.

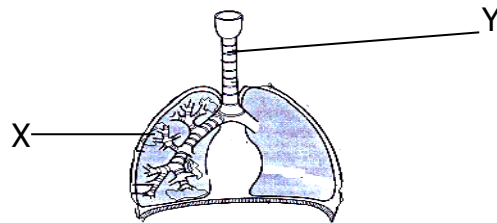
i) \_\_\_\_\_ ii) \_\_\_\_\_

b) Write down any two characteristics of physical changes.

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

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

42. The diagram below is of a respiratory organ. Use it to answer the questions.



a) Name the parts marked by letters

X \_\_\_\_\_ Y \_\_\_\_\_

b) Which process takes place in the part marked X?

\_\_\_\_\_

c) What helps part marked Y to keep open all the time?

\_\_\_\_\_

43.a) Apart from wind, give two other agents of pollination in flowering plants.

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

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

b) Which part of a flowering plant mainly does the following?

i) Manufactures food? \_\_\_\_\_

ii) Absorb water and mineral salts? \_\_\_\_\_

44.a) Give any two benefits of keeping cattle to the farmers.

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

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

b) Give any one importance of the following management practices in cattle keeping;

i) Castration: \_\_\_\_\_

ii) Ear tagging: \_\_\_\_\_

45. The table below shows a group of animal in A and the group they belong.

A	B
Lizards	Mammals
Newts	Birds
Rabbits	Reptiles
Penguin	Amphibians

List against each animal below, its group from B

- i) Lizard \_\_\_\_\_
- ii) Newts \_\_\_\_\_
- iii) Rabbit \_\_\_\_\_
- iv) Penguin \_\_\_\_\_

46.a) Why is it dangerous to buy drugs from unlicensed drug shop?

\_\_\_\_\_

b) Name one danger of using expired drugs.

\_\_\_\_\_

c) How is the use of factory made drugs an advantage over local drugs?

\_\_\_\_\_

d) Name one drug of abuse.

\_\_\_\_\_

47. The table below shows immunisable diseases, vaccine administered and the age at which immunisation takes place.

DISEASES	VACCINE	AGE
Measles	i) .....	9 months
ii) .....	BCG	At birth
Polio	Polio vaccine	iii) .....
Hepatitis B	iv) .....	6 weeks

48.a) Name the blood components drawn below.



P \_\_\_\_\_ Q \_\_\_\_\_

b) What is the function of the blood component marked with letter Q?

\_\_\_\_\_

c) Name any one waste material transported by blood.

\_\_\_\_\_

49.a) Apart from filtration, give two other methods of separating impurities from water.

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

b) Name two activities done in the process of cleaning clothes.

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

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

50.a) Give one reason why the government of Uganda gives people mosquito nets free of charge.

\_\_\_\_\_

b) Name any two diseases controlled by proper use of mosquito nets in a home.

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

c) Which stage of a mosquito is affected by draining stagnant water?

\_\_\_\_\_

51.a) Give one reason why a piece of paper floats on water.

\_\_\_\_\_

b) Apart from a piece of paper, give one other object that floats on water.

\_\_\_\_\_

c) A stone with  $2\text{g/cc}$  was totally immersed in a measuring cylinder full of water and the water level rose from  $30\text{cc}$  to  $50\text{cc}$ .

i) Find the volume of the stone.

ii) Calculate the mass of a stone.

52.a) State any two reasons why bees swarm?

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

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

b) Give any two ways a bee keeper can care for bees in an apiary.

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

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

53.a) What is dehydration?

\_\_\_\_\_

b) Mention two causes of dehydration.

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

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

c) Identify any one solute used to make ORS.

\_\_\_\_\_

54.a) In one sentence give the meaning of the following terms:

i) Adolescence:

\_\_\_\_\_

\_\_\_\_\_

ii) Fertilisation: \_\_\_\_\_

\_\_\_\_\_

b) Apart from producing sperms, give one other function of testes in a male reproductive system.

\_\_\_\_\_

c) What type of reproduction do human beings undergo?

\_\_\_\_\_

55. Give the cause of each of the following diseases;

a) AIDS: \_\_\_\_\_

b) Syphilis: \_\_\_\_\_

c) Trachoma: \_\_\_\_\_

d) Amoebic dysentery: \_\_\_\_\_

**END**