

INTENSIVE CARE SCHOOLS WANDI

PRE-MOCK SETS

EXAMINATION 2024

Integrated Science

Time allowed: 2 hours and 15 minutes

INDEX NUMBER

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NAME: _____

Signature: _____

Read the following instructions carefully:

1. The paper is made up of section A and B.
2. Section A has 40 short answer questions (40 marks).
3. Section B has 15 questions (60 answers).
4. Answer 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 ink.
6. Any handwriting that cannot easily be read will lead to loss of marks.
7. Unnecessary alteration of work may lead to loss of marks.
8. Do not write anything in the box indicated examiner's use only.

EXAMINER'S USE ONLY

A	
B	
TOTAL	

SECTION A (40 marks):

1. Name one weather condition when an umbrella is used.

2. Where in the body does the process of digestion end?

3. Give any one characteristic of birds.

4. Which structure joins muscles to bones at a joint?

The diagram below shows components of blood. Use it to answer questions 5 and 6.



5. Name the component of blood marked Y.

6. How is the blood cell marked X useful in the body?

7. Why do the cotyledon of a bean seed turn green some days after germination?

8. Give one reason why green vegetables should be hung in a poultry house.

9. Apart from tension of the skin, give one factor that determines the pitch of sound produced by a drum.

10. State any one property of a magnet.

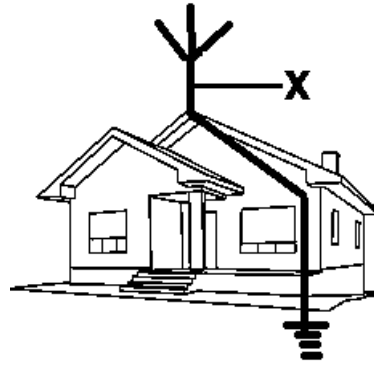
11. Give one way of controlling rats in a garden.

12. Why does a kilogram of feathers occupy more space than a kilogram of sugar?

13. Give one reason why some people drink alcohol.

14. Why should clothes and beddings be spread under the sun regularly?

The diagram shows a safety device on a building. Use it to answer question 15 and 16.



15. Name the device labeled X.

16. Give the reason why the device is placed on top of buildings.

17. Name the solute used in making tea.

18. Give one spore bearing plant apart from ferns and liverworts.

19. State one characteristic of third class levers.

20. Give one danger of food contamination to human health.

21. How is heat transfer by convection important in our daily life?

22. State one method of controlling external parasites in cattle.

23. Apart from carbondioxide, name one other product excreted by the lungs.

24. Why is a sweet potato plant regarded as a root crop?

The diagram shows a tooth. Use it to answer the question that follow.



25. Name the region of the tooth marked A.

26. How is the above tooth useful to man?

27. What happens to the diaphragm when air is taken into the lungs?

28. Mr. Okot lives with his wife, two children and a maid. What type of family does Mr. Okot have?

29. Why is the moon not regarded as a source of light?

30. How are bacteria useful to man?

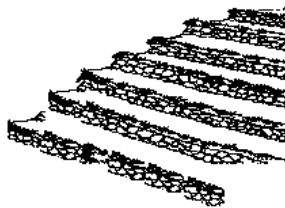
31. Give any one reason why one should wash the hands before preparing ORS.

32. Apart from scrubbing the floor, give any one way of maintaining the cleanliness of a VIP latrine?

33. Give a reason why a razor blade is called a simple machine.

34. State one way in which vectors spread diseases.

The diagram below shows a method of controlling soil erosion. Use it to answer question 35.



35. How does the above method help to control soil erosion?

36. Apart from making water clean for washing, give one other use of filtration method at our homes.

37. In which type of change is the characteristic of the substance formed similar to the original one?

38. How do tree growing projects protect the environment?

39. State one cause of poisoning at home.

40. How best can a P.7 girl protect herself from becoming pregnant?

Section B: (60 marks)

41(a) Give the use of the following garden tools.

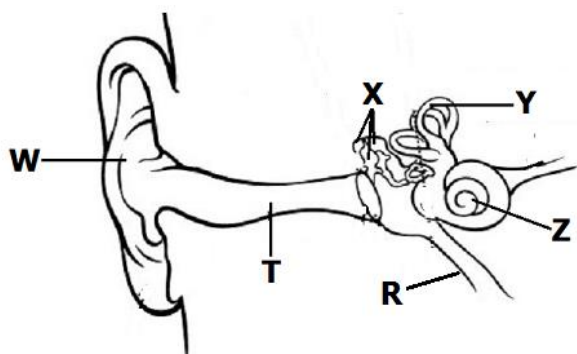
(i) forked hoe

(ii) basket

(b) State one way we can care for our garden tools.

(c) Name one method of clearing land.

42. **The diagram shows a human ear. Use it to answer question 42.**



(a) Name parts marked w and z.

(i) W _____

(ii) Z _____

(b) How is part marked R useful?

(c) Give the danger of too much wax in part T.

43. **Complete the table below.**

Energy resource	Source
.....	The sun
Steam
.....	Plants
coal

44(a) Apart from deep litter system, name one other system of keeping poultry.

(b) Give any two advantages of using deep litter system of keeping poultry.

(i) _____

(ii) _____

(c) How can a farmer control vices in a deep litter system?

45(a) What causes kwashiorkor?

(b) State two signs of kwashiorkor in children.

(i) _____

(ii) _____

(c) Name one foodstuff the mother of the above children can use to feed them.

46(a) State any two groups of arthropods.

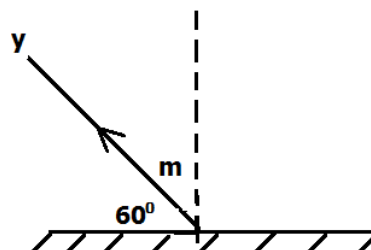
(i) _____

(ii) _____

(b) Give one characteristic common to all arthropods.

(c) How are arthropods similar to worms?

47. **The diagram below shows reflection in a plane mirror. Use it to answer the following questions.**



(a) Complete the ray diagram above.

(b) Name the ray marked y.

(c) Find the size of the angle marked with letter m.

(d) State one of the characteristic of the images formed in a plane mirror.

48(a) Which state of matter takes the shape of the container where it is kept?

(b) How does heat travel through a vacuum?

(c) Give one effect of very low temperature on matter.

(d) Why is space left in soda bottles during packing?

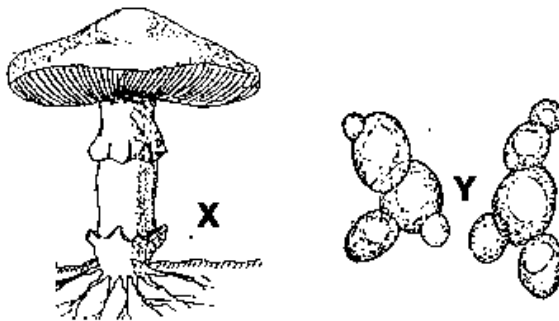
49(a) Name one product got from milk.

(b) Apart from boiling, name one other method of preserving milk.

(c) Give one disease we can get through drinking unboiled milk.

(d) How can a farmer detect mastitis among cattle?

50. **The diagram below shows types of fungi.**



(a) Name the fungi marked x and y.

(i) X _____

(ii) Y _____

(b) How is the fungus marked x useful to man?

(c) Give the method of reproduction in fungus Y.

51(a) Give two ways of proper waste management at school.

(i) _____

(ii) _____

(b) State one disease spread through poor waste management in a community.

(c) Give one reason for keeping plates on a rack after washing them.

52(a) Who is an adolescent?

(b) State one primary sex characteristic in an adolescent:

(i) boy

(ii) girl

- (c) Give one problem faced by adolescent boys and girls.

53. **Match items in A with those in B.**

Diphtheria	runny nose.
Tetanus	paralysis of muscles.
Polio	swollen neck.
Pertusis	stiffness of muscles.

- (i) Diphtheria _____
- (ii) Tetanus _____
- (iii) Polio _____
- (iv) Pertusis _____

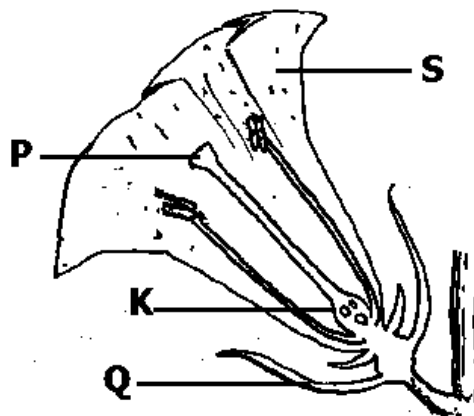
54(a) Give two living components of the environment.

- (i) _____
- (ii) _____

- (b) How do cattle benefit from birds that move with them while grazing?

- (c) State the importance of the sun in a food chain.

55. **The diagram shows a flower. Use it to answer the following questions.**



- (a) Name parts marked part P and Q.

- (i) P _____

- (ii) Q _____

- (b) What does part K become after fertilization?

- (c) How is part marked S useful to the plant?
