



RAPHA EXAMINATIONS BOARD

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P.7 END OF TERM ONE EXAMINATIONS 2024 SCIENCE

Time allowed: 2 hours 15 minutes

INDEX
NO.

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CANDIDATE'S NAME:

CANDIDATE'S SIGNATURE: DATE

SCHOOL'S EMIS NO:

DISTRICT NAME:

READ THE FOLLOWING INSTRUCTIONS CAREFULLY:

1. This paper has two sections **A** and **B**
2. All the working in both sections **A** and **B** should be shown in the spaces provided
3. All working must be done using a blue or black ball point pen or fountain pen. Diagrams **MUST** be drawn in pencil
4. Unnecessary changes of work may lead to loss of marks
5. Any handwriting that cannot be easily read may lead to loss of marks
6. Do not fill in anything in area indicated for *examiners use only* and those inside the paper

For examiner's use only

SECTION	MARKS
SECTION A	
SECTION B	
TOTAL	

SECTION A. (40 MARKS)

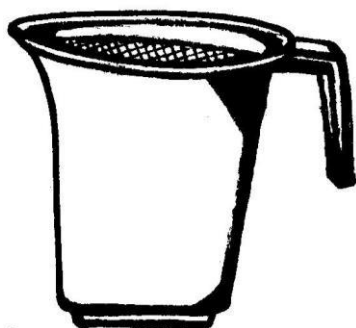
1. Give **one** way in which claws are useful to preying birds.

2. Name the virus that causes trachoma?

3. Why does a fish die shortly after it is removed from a water body?

4. State any **one** example of a spore producing plant found in the environment.

The diagram below shows an instrument used on a cattle farm. Use it to answer questions 5 and 6.



5. Name the instrument drawn above.

6. How important is the above instrument?

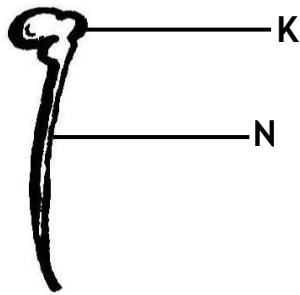
7. Which blood vessel returns blood from the body parts to the heart?

8. Why are handles of a flat iron made of plastic?

9. Name any one waste product excreted through the lungs?

10. Write *PIASCY* in full.

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



11. Name the part marked K.

12. State the function of the part marked N.

13. Why can't sound pass through a vacuum?

14. How useful is a pit latrine in your community?

15. Why must one avoid being near a person suffering from tuberculosis?

16. How does a sweet potato get its food when its creeping stems have been cut off?

17. How do we call a special pen in which a sow is moved to before it gives birth?

18. In which way does a bat differ from other mammals?

19. Why must carrots and cabbages be washed before eating them?

20. Name any one pest which affects Irish potatoes.
_____ P T O
21. Which deficiency disease causes a swelling in the neck?

22. How can the deficiency disease above be corrected in *no (21)*?

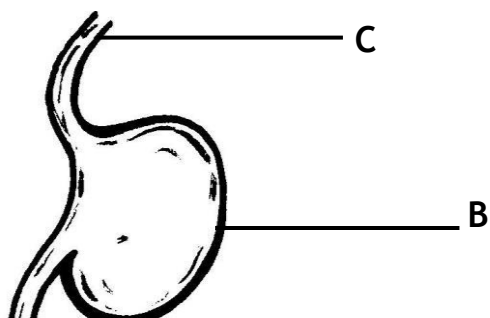
23. What type of change takes place when a piece of wood is burnt into ash?

24. How are the eggs laid by a frog fertilized?

25. In the space provided below draw a dicotyledonous leaf.

26. What name is given to the condition of finding out the cause of a sickness in the human body?

The diagram below shows part of the alimentary canal. Use it to answer questions 27 and 28.



27. Name the part labeled **A**.

28. How is gastric juice produced in part marked **B** important?

29. Name the breathing organ of sea mammals (*marine mammals*).

30. Write down any one possible cause of dehydration.

31. Why are pinworms called parasites?

32. Which gas forms the least percentage of air?

33. State any one way of harvesting trees.

34. Which vector spreads sleeping sickness?

35. Give one example of mineral salts that makes our bones strong.

36. Write any one disorder of the respiratory system.

37. Which food value is obtained from eating mushrooms?

38. Why does a piece of stone placed into water sink?

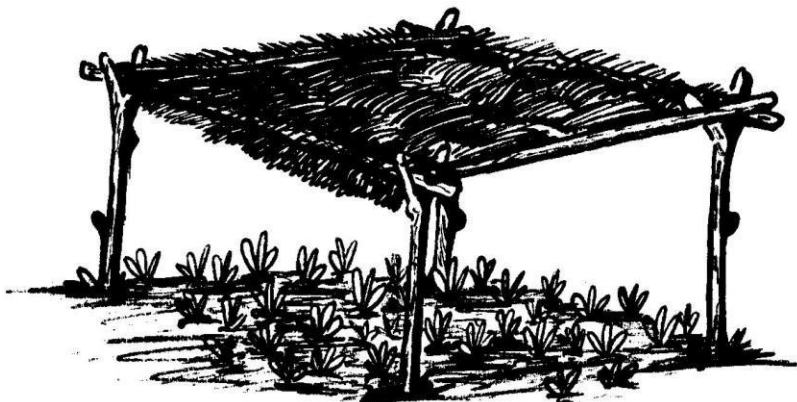
39. Name the type of rainfall received as a result of warm air meeting cold air in a certain place.

PTO

40. State the main role of *National Water and Sewage Corporation*.

SECTION B. (60 MARKS)

41. The diagram below shows a certain structure. Use it to answer the questions that follow.



(a) Name the structure shown above.

(b) Write any one seed that can be first planted in such a structure.

(c) Suggest any two reasons why there should be a shelter above the seedlings.

(i) _____

(ii) _____

42. (a) State any two uses of wind in the environment.

(i) _____

(ii) _____

(b) Write down any **two** harmful effects of wind.

(i) _____

(ii) _____

43. (a) What is the name given to the special refrigerator used for storing vaccines?

(b) Why are girls who have reached child bearing age given tetanus Toxoid?

(c) Apart from **DPT vaccine**, name **two** other examples of vaccines.

(i) _____ (ii) _____

44. (a) Give **one** reason why fish are cold- blooded vertebrates?

(b) Why do fish lay many eggs?

(c) State the function of a swim bladder and operculum to a fish.

(i) **A swim bladder:**

(ii) **Operculum:**

45. (a) How does heat travel through the following?

(i) **Metals** : _____

(ii) **Water** : _____

(iii) **Vacuum** : _____

(b) Give **one** example of poor conductor of heat.

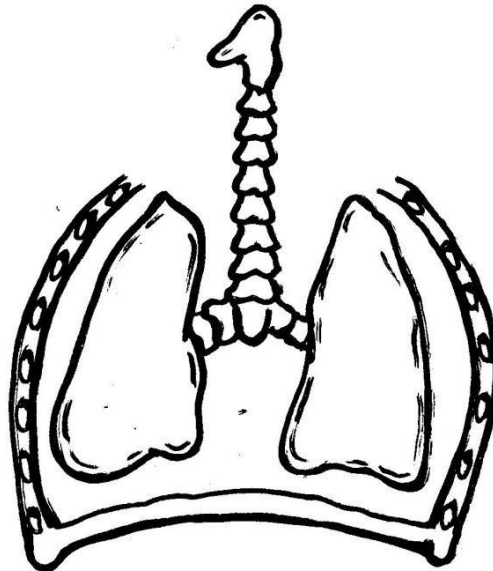
46. (a) Why is it not easy for plants to make food at night?

(b) Write any one condition plants need during the process of photosynthesis.

(c) Give any two by- products of photosynthesis.

(i) _____ (ii) _____

47. The diagram below shows the process of breathing. Use it to answer the questions that follow. P T O



(a) Name the type of breathing shown above.

(b) What happens to the lungs during its process above?

(c) Give any two waste products of respiration.

(i) _____ (ii) _____

48. (a) Write down any two good health practices in which a person can do to promote PHC.

(i) _____

(ii) _____

(b) Give any two ways in which people can care for the sick and elderly.

(i) _____

(ii) _____

49. (a) State any one function of the brain.

(b) Which part of the skeleton protects the brain?

(c) Give any **two** diseases that affect the brain.

(i) _____ (ii) _____

50. State the importance of each routine practices below in sheep rearing and goats.

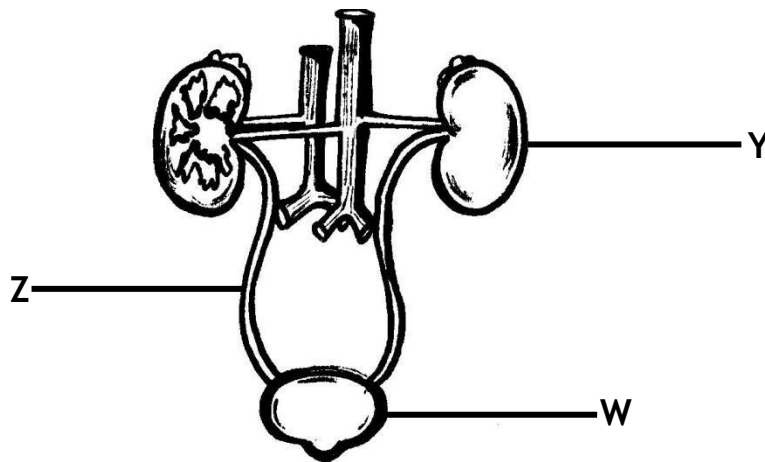
(i) **Foot trimming** : _____

(ii) **Docking** : _____

(iii) **Deworming** : _____

(iv) **Dipping of animals**: _____

51. The diagram below shows the urinary system. Use it to answer the questions that follow.



(a) Name the parts marked Y and Z.

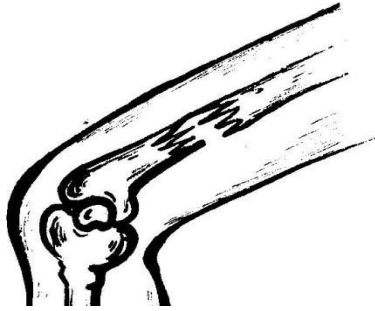
(i) Y _____ (ii) Z _____

(b) State the function of the parts marked W and Y.

(i) W: _____

(ii) Y: _____

52. The diagram below shows a type of fracture. Study it and use it to answer question 52.



(a) Name the type of fracture shown above.

_____ P.T.O. _____

(b) Give a reason to support your answer in 52 (a).

(c) State any **two** signs of fractures.

(i) _____

(ii) _____

53. (a) Give **two** examples of vulnerable groups of people in the community.

(i) _____

(ii) _____

(b) What **two** classes of food can you give a convalescent person?

(i) _____

(ii) _____

54. (a) What is the difference between a **doe** and **litter**?

(b) Name any **two** examples of exotic breeds of rabbits.

(i) _____

(ii) _____

(c) Give **one** reason why people keep rabbits.

55. How useful are the following parts in the digestive system.

(a) *Saliva* : _____

(b) stomach: _____

(c) *Tongue* : _____

(d) Rectum: _____