



RAPHA EXAMINATIONS BOARD

BEGINNING OF TERM ONE EXAMINATION, 2024

**PRIMARY SIX
SCIENCE**

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MY NAME IS

SCHOOL NAME:.....

PUPIL'S NAME: _____

SECTION A (40 MARKS)

1. Name one domestic animal kept for milk production.

2. What is the main natural source of water?

3. What is the work of the drone bee in a hive?

4. Identify one example of a root tuber.

5. Mention one disease which attacks both poultry and rabbits.

6. Name the garden tool below:



7. What is the use of the garden tool shown above?

8. Which body organ do we use for feeling?

9. Which part of an egg allows gaseous exchange to take place?

10. Why do we wash hands after visiting the latrine?

11. How does bacteria reproduce?

12. Which gas is used in the preservation of soda?

13. Name one fruit crop.

14. Why is mercury commonly used in thermometers?

15. Give one example of a chemical change in the environment.

16. Of what importance is chlorophyll during photosynthesis?

17. What is soil erosion?

18. In which state of matter is water vapour?

19. Give one component of soil.

20. Name the special food for a queen bee.

21. Which liquid metal substance is commonly used in thermometers?

22. In the space below, draw a leaf and label midrib using arrow with letter M.

23. Name one disease of the digestive system.

24. What is the incubation period of a hen?

25. Write SSS in full as used in health education.

26. Give the main function of a leaf to a plant.

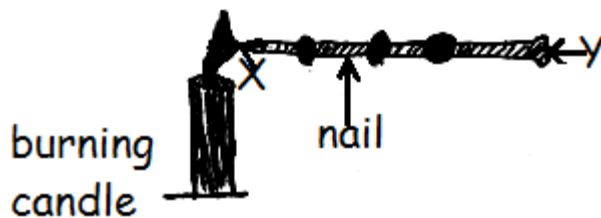
27. Why does a stone sink in water?

28. Of what importance is a plate stand in a home?

29. Name one insect which goes through incomplete lifecycle.

30. Of what importance are stomata to a plant?

Study the diagram below and answer questions 31 and 32.



31. How does the heat travel from point X to point Y?

32. Why is oxygen not used in fire extinguisher?

33. Why do sheep farmers carry out docking?

34. Write down one childhood killer disease.

35. Of what importance is a school garden to a school?

36. Identify one way by which plants with weak stems climb others.

37. Why are gaps left between railway lines?

38. Name any one type of vaccine.

39. What is soil exhaustion?

40. How does boiling of water control the spread of diarrhoeal diseases?

SECTION B (60 MARKS)

41. (a) What is soil erosion?

(b) List down two agents of soil erosion.

i) _____

ii) _____

(c) Give one reason why soil erosion is bad.

42. Convert 80°C to $^{\circ}\text{F}$.

(4mks)

43. (a) What is an apiary?

(b) Give two reasons why farmers keep bees.

i) _____

ii) _____

(c) State any one problem faced by beekeepers.

44. How does heat travel through the following:

(a) Solids: _____

(b) Gases: _____

(c) Vacuum: _____

(d) Liquids: _____

45. (a) Write P.H.C in full.

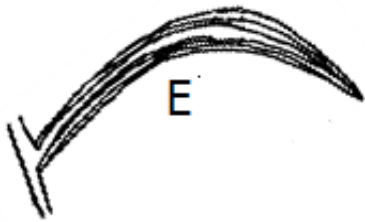
(b) Write down three elements of P.H.C.

i) _____

ii) _____

(c) Which element of PHC helps to control rapid population growth in a given community?

46. **Study the diagrams below and answer the questions that follow.**



(a) Name the type of leaf venation labelled by letter:

i) E: _____

ii) F: _____

(b) Identify one plant with the type of venation labelled by letter:

i) E: _____

ii) F: _____

47. (a) What is matter?

(b) Mention any two states of matter

i) _____

ii) _____

c) Which form of energy makes matter to become hot or warm?

48. (a) What is air? _____

(b) Name the type of air with the:

i) Highest percentage:

ii) Lowest percentage:

(c) Which type of air do we breathe in?

49. **Match items in A with the items in B.**

Group A

BCG vaccine

DPT vaccine

Polio vaccine

Tetanus toxoid vaccine

Group B

polio myellitis

tetanus

tuberculosis

diphtheria

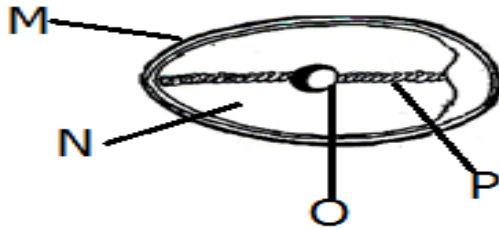
i) BCG vaccine: _____

ii) DPT vaccine: _____

iii) Polio vaccine: _____

iv) Tetanus toxoid vaccine: _____

50. ***The diagram below shows an egg:***



(a) Name the parts marked with letters:

i) M: _____

ii) N: _____

(b) Which letter marks the part that holds the yolk in position?

(c) Which main food value do we get from eating eggs?

51. (a) What are germs?

(b) Mention any two types of germs.

i) _____

ii) _____

(c) Give one way of avoiding germs.

52. (a) What is germination?

(b) Mention the two types of germination.

i) _____

ii) _____

(c) Which type of germination does a bean seed undergo?

53. (a) What is digestion?

(b) Give the use of the following during digestion:

i) Saliva: _____

ii) Teeth: _____

iii) Enzymes: _____

54. Give two examples of:

(a) Monocotyledonous seeds:

i) _____

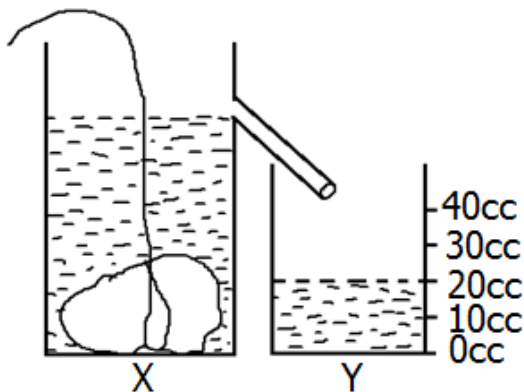
ii) _____

(b) Dicotyledonous seeds:

i) _____

ii) _____

55. **Study the diagram below and answer the questions that follow:**



(a) Name the containers marked with letters:

i) X: _____

ii) Y: _____

(b) What is the volume of the stone?

(c) Which method is shown above?

********GOD BLESS********