



THE NERDS EXAMINATION SERIES

P.7 EXAMINATIONS 2024 (SET 4)

INTEGRATED SCINCE

Time allowed: 2hours 30minutes

**INDEX
NO.**

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CANDIDATE'S NAME

CANDIDATE'S SIGNATUREDATE

SCHOOL'S EMIS NO.....

DISTRICT NO.

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 blue or black 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 indicated for examiners use only and those inside the paper

SECTION	MARKS
SECTION A	
SECTION B	
TOTAL	

Section A. (40 Marks)

1. Mention **one** example of a **perennial crop**.

2. Name **one** disease prevented by vaccinating DPT vaccine.

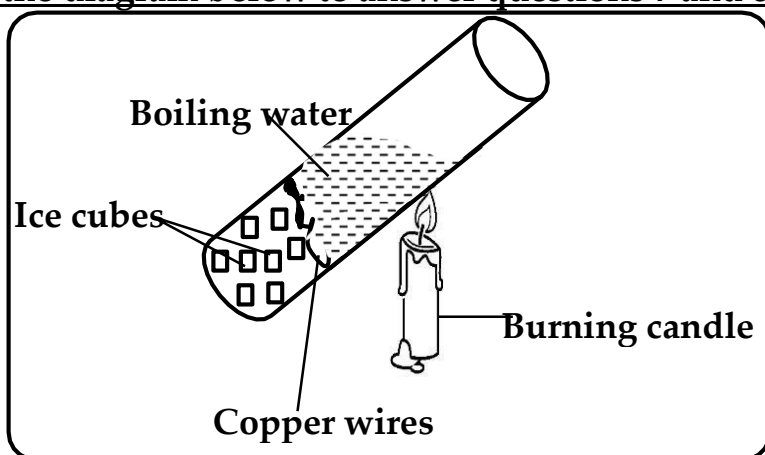
3. State **one** condition that may lead to **fainting**.

4. Give **one** reason why we eat food.

5. In a family, there is a father, mother, biological children and the grandmother.
Name the type of family.

6. Why does **blood** flow to the lungs before its pumped to the other body parts?

Use the diagram below to answer questions 7 and 8.



7. What happened to the ice cubes when water started boiling?

8. Give a reason for your answer in (7) above.

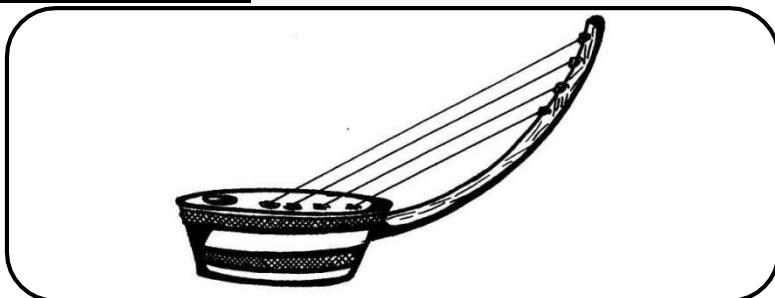
9. Which type of soil is used to make **ceramics**?

10. Apart from being smart, give **one** other reason for wearing clothes.

11. State **one** type of **movable joints**.

12. Which **type of clouds** is a sign of fair weather?
13. Give **one** reason people give for smoking.
14. Why should **modern hives** possess a **queen excluder**?
15. How do **pawpaw plants** prevent self-pollination?
16. Name the muscles that make up the human heart.
17. In which way are **insects** different from **arachnids**?
18. Mention **one** element of good sanitation.
19. Give **one** effect of heat on matter.
20. Why is **vomiting** not advised to a person who has taken paraffin?
21. How is **wringing** important during washing clothes?
22. What is the main reason why **female mosquitoes** suck blood?

The illustration below is a diagram of a musical instrument. Use it to answer question 23 and 24.



23. How is the above instrument played?

24. To which group of **musical instruments** does the above instrument belong?

25. Give one reason why farmers keep cattle.

26. Give one disease of the muscular skeletal system.

27. How do **bacteria** reproduce?

28. Which **food value** is obtained from eating **fish**?

29. How is **nitrogen** useful in the environment?

30. Write down one importance of **echoes**.

31. How does **heat** travel **through solids**?

32. Explain the term **resources**.

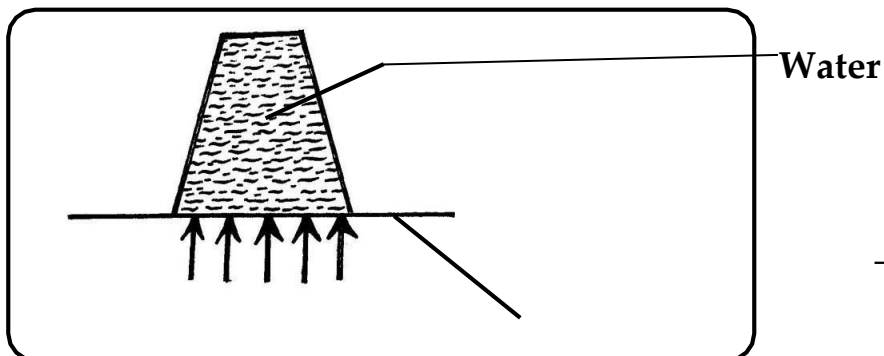
33. Name the **longest bone** in the body.

34. How is a **kink** similar to **valves** in terms of their function?

35. How do **hook worms** enter our body?

36. What is **docking** as used in sheep rearing?

37. Name the property of air shown below.



38. Write down one method used to obtain clean water.

39. Suggest one way of caring for our lungs.

40. Give one agent of seed dispersal.

Section B (60 marks)

41. (a) What is a **skeleton**?

(b) Give one example of a long bone.

(c) Name any one organism with endoskeleton.

(d) How is a **skeleton** important to our body?

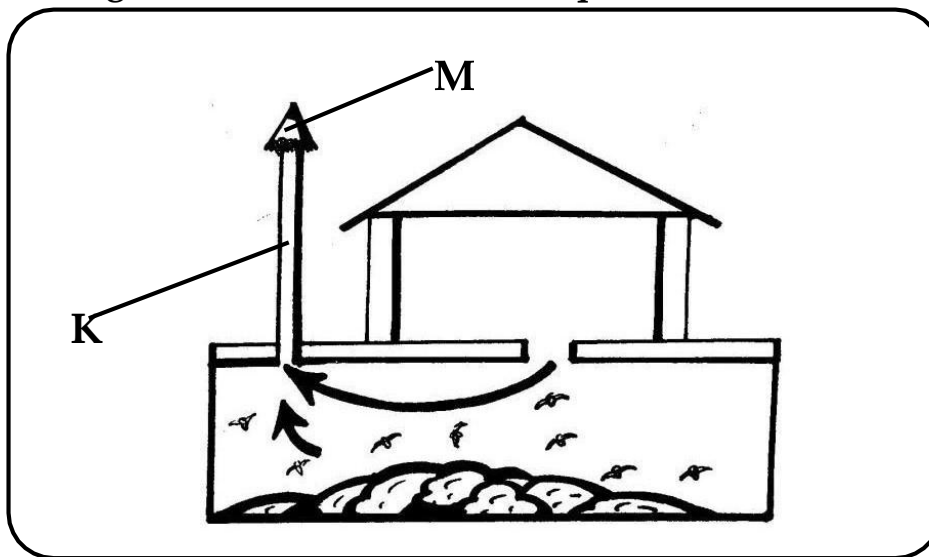
42. (a) Give two products got from keeping goats.

(i) _____ (ii) _____

(b) State two products diseases that attack goats.

(i) _____ (ii) _____

43. **Study the diagram below and answer the questions that follow.**



(a) Name the parts labeled;

(i) K _____ (ii) M _____

(b) How can we ensure cleanliness of the above structure?

(c) Give any **one** disease which is as a result of failing to use the above structure properly.

44. (a) When is tepid sponging applied?

(b) Mention any **two** examples of foreign bodies of the eyes.

(i) _____ (ii) _____

(c) Why is a piece of solid put in the mouth of a person with **convulsions**?

45. (a) Name any **two** safe spots for crossing a busy road.

(i) _____ (ii) _____

(b) Write down any **two** of the 3Bs used in offering **First Aid**.

(i) _____ (ii) _____

46. (a) In which way is **mulching** useful?

(b) State any **two** examples of mulches.

(i) _____ (ii) _____

(c) Give any **one** danger of mulching.

47. (a) Why is **distilled water** not recommended for drinking?

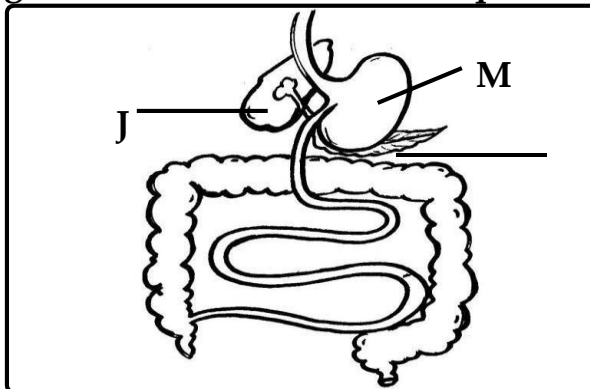
(b) Name any **two** steps followed during **cleaning of clothes**.

(i) _____

(ii) _____

(c) Give any **one** example of a water pollutant.

48. Study the diagram below and answer the questions that follow.



(a) Name parts labeled;

(i) J: _____ (ii) L: _____

(b) State the function of part M.

(c) Using an arrow and letter P, show on the diagram the part where absorption of food takes place.

49. (a) Where does **respiration** take place in the body?

(b) State any **two** raw materials for respiration.

(i) _____ (ii) _____

(c) Give the function of the **alveoli**.

50. How are **white blood cells** adapted to their function?

(b) State any **two** diseases that affect the **circulatory system**.

(i) _____ (ii) _____

(c) Suggest any **one** structural difference between **veins** and **arteries**.

51. **Complete the table below.**

Body organ	Disease
skin	(i) _____
(ii) _____	lung cancer
heart	(iii) _____
(iv) _____	trachoma

52. (a) What is **PHC**?

(b) State any **two** elements of **PHC**.

(i) _____

(ii) _____

(c) Mention any **one** way an individual can promote **PHC**.

53. (a) State any **two** ways of preventing the spread of **COVID19**.

(i) _____

(ii) _____

(b) Name the **germ** that causes **COVID 19**.

(c) Give any **one** sign of COVID 19 in a patient.

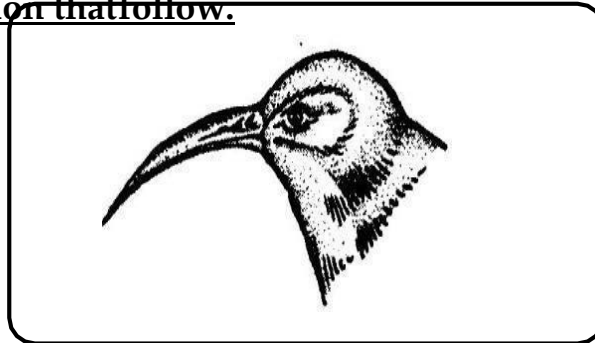
54. (a) Explain the term **photosynthesis**.

(b) State the role of **chlorophyll** during photosynthesis.

(c) How do **animals** benefit from photosynthesis?

(d) Give any **one** raw material for photosynthesis.

55. The illustration below shows a bird's beak. Use it to answer the question that follow.



(a) How is the bird with such a beak useful to crop farmers?

(b) Give any **one** example of birds with such beak.

(c) State any **two** other groups of birds apart from the group shown above.

(i) _____ (ii) _____