



THE NERDS EXAMINATION SERIES
P.7 EXAMINATIONS 2024 (SET 5)
INTEGRATED SCIENCE

Time allowed: 2hours 30minutes

**INDEX
NO.**

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CANDIDATE'S NAME.....

CANDIDATE'S SIGNATUREDATE

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 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

For examiner's use only

SECTION	MARKS
SECTION A	
SECTION B	
TOTAL	

Section A (40 Marks)

1. Name the **type of energy** resources that can replaced naturally when used in the environment.

2. Why are children advised to **cut off their finger nails**?

3. State the main characteristic of vertebrates you know.

4. Give any **one** advantage of **breastfeeding** over bottle feeding.

5. Which type of skeleton do **insects** possess on their bodies?

6. Name the element of weather that is used by our skins to manufacture **vitamin D**.

7. Write any **one** group of living things in the environment.

8. Apart from **worker bees**, mention any other type of bees.

9. Give **one** reason for grouping a **bean plant** under flowering plants.

10. Write the sanitary measure that helps to prevent breeding of mosquitoes in the environment.

11. To which type of machines does a **wheel barrow** belong?

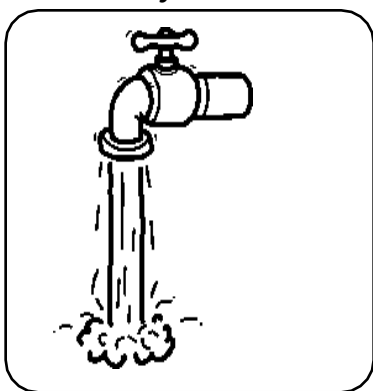
12. How can the spread of **bedbugs** be controlled at home?

13. What is meant by the term “**immunity**”.

14. State **one** role played by a **father** at home.

15. Write the **largest external body organ**.

16. How can the item shown below help to promote proper sanitation in the community?



17. State any **one** way of controlling the spread of diarrhoea at home.

18. Give **one** reason why people drink **alcohol** in the community.

19. Which form of energy enables animals to see?

20. Why is it advisable to construct a cattle shed with a slanting floor?

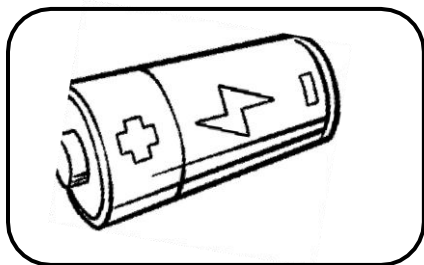


21. Apart from **carbohydrates**, mention any other **one** class of food.

22. Give any **one** component of the **circulatory system**.

23. Mention any one crop growing practice done in the garden.

24. Identify the source of electricity shown below.



25. Name any one type of poultry.

26. Mention the component of air that supports combustion and rusting of metals.

27. Mention any one example of crops harvested in less than a year.

28. Peter got burnt by hot water and blisters were formed on his foot, name the **degree of burn** Peter got on his foot.

29. Write down one example of material that can be attracted by the magnet.

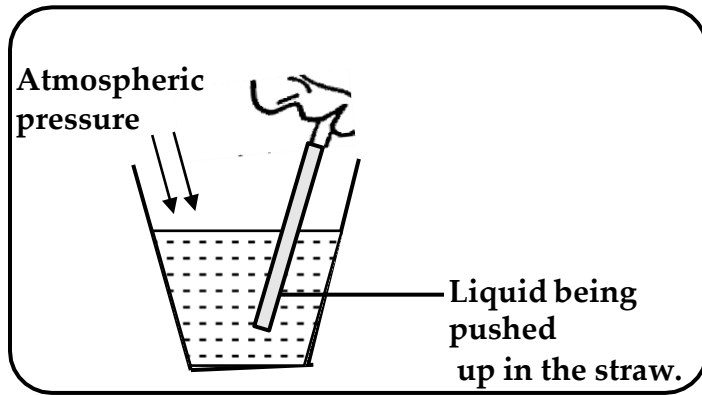
30. State the **basic units** for measuring **mass**.

31. Which external part of a goat is used for protection?

32. Name any one natural source of sound in the environment.

33. State any one living component of the environment.

Study the diagram below and use it to answer questions 34 and 35.



34. Identify the property of air shown above.

35. *Of what importance* is the above property of air to a doctor?

36. Give one reason for keeping our compound clean.

37. State any one characteristic of invertebrates.

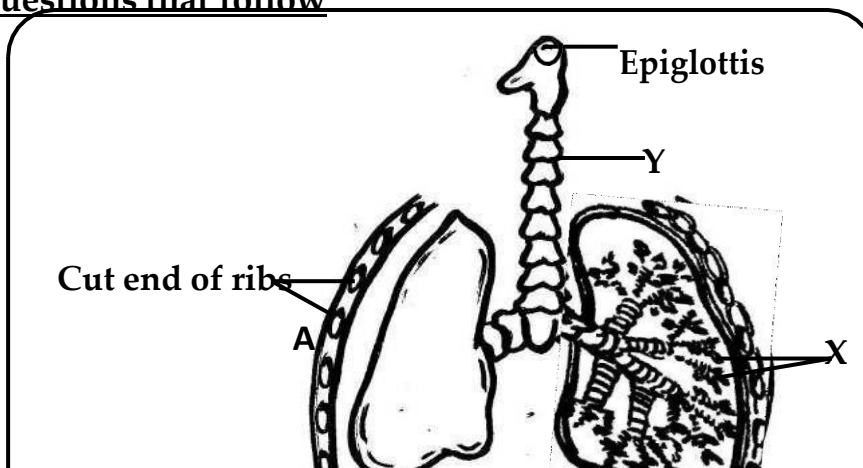
38. Apart from the sun, mention any other one example of a non- living resource in the environment.

39. Mention any one place where bacteria can be found.

40. Name the sense organ for sight.

Section B (60 Marks)

41. The diagram below is of a human respiratory system, use it to answer questions that follow



(a) Name the parts Y and X.

(i) Y: _____ (ii) X: _____

(b) What important process takes place in **part X** as shown above?

(c) How is the **epiglottis** important on the above system?

42. (a) State any **one** type of reflection you know.

(b) What type of reflection occurs on the following surfaces?

(i) **Smooth shinny surfaces:** _____

(ii) **Rough shinny surfaces:** _____

(c) State **one** law of reflection.

43. (a) Name the type of soil known for having big soil particles and big air spaces.

(b) Mention any **one** reason why clay soil is not good for growing crops.

(c) State any **two** uses of soil to man.

(i) _____

(ii) _____



44. (a) Name the common accidents at home caused by;

(i) **dry heat** _____

(ii) **wet heat** _____

(b) Give **one** danger of playing with **sharp cutting objects**.

(c) State any one way of controlling common accidents at school.

45. (a) Of what importance are ears to human beings? Give two uses?

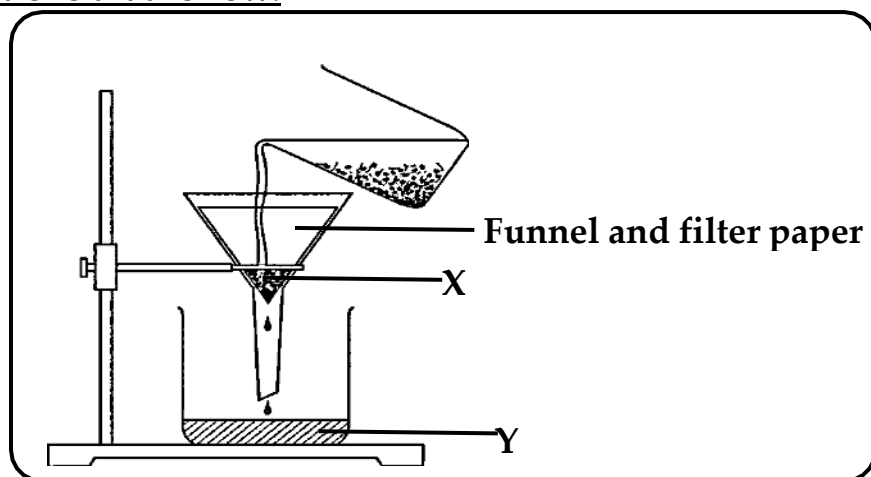
(i) _____

(ii) _____

(b) Write down any one example of an ear infection.

(c) Give one way how children can care for their ears.

46. The diagram below shows a method of making clean water. Use it to answer questions that follow.



(a) Name the method of cleaning water shown in the diagram above.

(b) What name is given to substances X and Y.

(i) X : _____ (ii) Y: _____

(c) Why is it not advisable to drink the water obtained using the above method?

47. (a) How are the following tubers crops propagated?

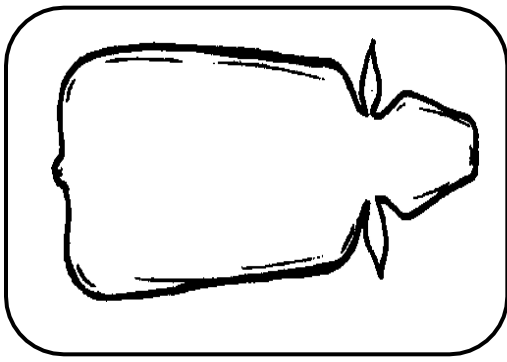
(i) Cassava _____

(ii) Turnips _____

(b) Mention any one tuber crop that is first planted in a nursery bed.

(c) In which way do tuber crops help in prevention of deficiency diseases?

48. (a) Name the plant system that develops from the radicle of the seed during germination.
- _____
- _____
- (b) Mention any **two** plant growth requirements got from the soil through the roots.
- (i) _____ (ii) _____
- (c) Write any **one** example of a plant that bears flowers in the environment.
- _____
- _____
49. (a) Apart from **smoking**, give **two** other bad health life styles.
- (i) _____ (ii) _____
- (b) State any **two** causes of social problems among people.
- (i) _____
- (ii) _____
- ☐
50. (a) Which external part of a rabbit is used for the following?
- (i) **hopping** _____
- (ii) **Preventing injuries to their skin** _____
- (b) What name is given to a young one of a rabbit?
- _____
- _____
- (c) Why is a doe given a block of salt to lick?
- _____
- _____
51. (a) What do you understand by **Primary Health Care**?
- _____
- _____
- (b) State any **two** principles of Primary Health Care.
- (i) _____
- (ii) _____
- (c) What **element of PHC** is intended to eradicate childhood immunisable diseases?
- _____
- _____
52. (a) Name any **two** types of cattle.
- (i) _____ (ii) _____
- (b) Identify the type of cattle with the body conformation below.



(c) Write the type of cattle kept for **meat production**.

53. (a) What name is given to **changes that take place in living things**?

P T O

(b) Mention any **two** examples of the above mentioned changes.

(i) _____ (ii) _____

(c) State any **one** way of managing body changes.

54. (a) Write any **one** type of **friction**.

(b) State **one** way how the force of friction is important to the following people.

(i) A cook setting fire. _____

(ii) A butcher _____

(c) Jane applied Vaseline in her book. Why was she not able to write on that page using a pen?

55. (a) Write down any **two** secondary changes that take place in both **boys and girls**.

(i) _____

(ii) _____

(b) State any **two** problems caused by adolescence to adolescents.

(i) _____

(ii) _____

