

ST. AGNES CATHOLIC GIRLS' BOARDING PRIMARY SCHOOL  
PRIMARY SEVEN PRE-P.L.E TERM III EXAMINATION, 2023

DURATION: 2 HOURS 30 MINUTES

**PRIMARY SEVEN SCIENCE**

Duration: 2 Hours 15 Minutes

NAME: \_\_\_\_\_ STREAM: \_\_\_\_\_

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**SECTION A**

1. Name the mineral salt responsible for formation of blood.  
\_\_\_\_\_
2. Why should a poultry house be kept clean and dry?  
\_\_\_\_\_
3. Where does the digestion of food begin in man?  
\_\_\_\_\_
4. Write PCV in full as used in immunization.  
\_\_\_\_\_
5. Identify any one characteristic of underground stems.  
\_\_\_\_\_
6. Mention any one type of bees in a hive.  
\_\_\_\_\_

Study the diagram below and answer the question that follow



7. Name one bird that has such type of foot.  
\_\_\_\_\_
8. State any one importance of dipping animals in acaricides.  
\_\_\_\_\_
9. Mention any one activity done under child to child program.  
\_\_\_\_\_
10. Give any one example of an animal which does not have a backbone.  
\_\_\_\_\_

11. Give one factor that affects the rate of transpiration.

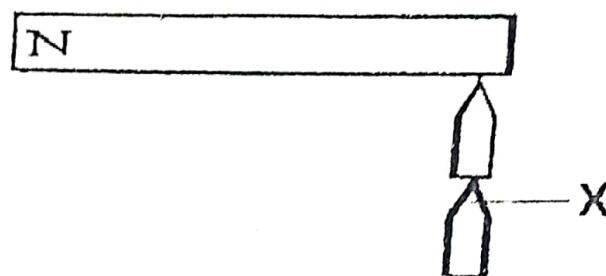
12. What is the function of a switch in an electric circuit?

13. Name the element of PHC promoted by carrying out vasectomy.

14. Why do people plant grass in their compounds?

15. Name one disease that affects banana plants

The diagram below shows a method of making magnets. Study and use it to answer questions 16 and 17.



16. Name any one method of making magnets besides the above shown method.

17. What will be the pole at X after magnetization?

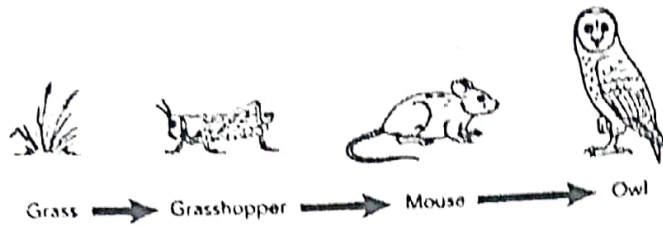
18. To which group of musical instruments does a guitar belong?

19. Give one way of conserving wood fuel.

20. Why should a pit latrine be constructed 30metres away from a water source?

21. Which food deficiency disease is caused by lack of vitamin A?

Study the diagram below carefully and use it to answer the questions that follow.



22. Identify the feeding relationship above.

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23. What will happen to the grasshoppers if the mice are removed from the feeding relationship above?

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24. Identify the part of the human body that has similar function as the gill cover (operculum) of a fish.

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25. Where in the lungs does gaseous exchange take place?

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26. Which type of soil holds water for a long time?

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27. Write any one condition needed by seeds to germinate.

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28. State one effect of drought in the environment.

---

29. Why do farmers prefer rearing local breeds of cattle?

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30. A baby had the following signs and symptoms; stiff muscles, spasms when touched, refused to breast feed. Which disease was the baby suffering from?

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31. What term is used to mean the study of human population changes?

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32. What is the importance of cilia found in the nose?

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33. Identify any one group of vulnerable people besides pregnant women

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34. How is an eagle adapted to its mode of finding?

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(a) State any one characteristic common to all the above organisms.

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(b) How is organism S different from the rest?

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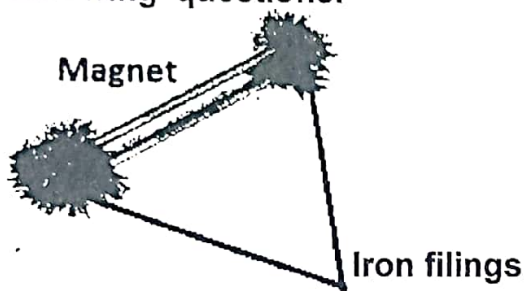
(c) Identify one other example of an organism that belongs to group Q.

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(d) To which group of mammals does organism P belong?

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42. The diagram below shows a property of magnets. Use it to answer the following questions.



a) Identify the property of magnets shown above.

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b) Identify one other property of magnets apart from the one above.

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c) State any one use of magnets.

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d) Write one way of demagnetization

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43. a) Write any one example of each of the following:

(i) Essential drugs \_\_\_\_\_

(ii) Drugs of dependency \_\_\_\_\_

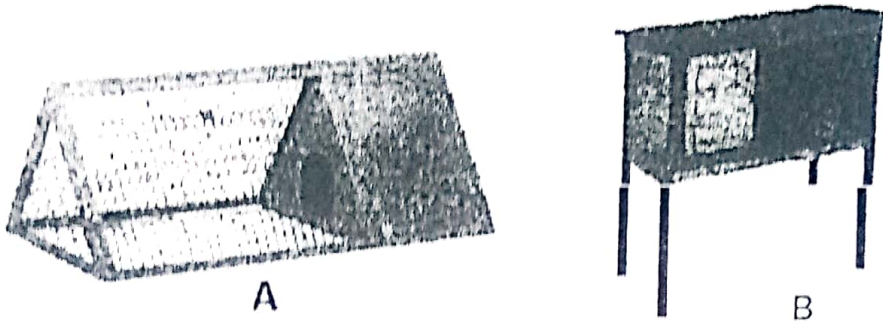
(b) State one effect of drugs of dependence to an individual.

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(c) Identify one life skill to safe guard oneself against drugs of dependence

44 The diagram below shows rabbit hutches. Study them carefully and answer the questions that follow.



(a) Name the rabbit hutches marked with letters A and B

(i) A \_\_\_\_\_

(ii) B \_\_\_\_\_

(b) Give one importance of a wire mesh on the rabbit hutch A

(c) State one advantage of rearing rabbits.

45 (a) Which type of soil erosion creates small water channels?

(b) Mention any two causes of soil erosion

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

45. (a) Which type of soil erosion creates small water channels?

(b) Mention any two causes of soil erosion

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

(c) State any one way of controlling soil erosion in an area.

46. (a) What is poultry?

(b) Identify any one disadvantage of using free system in poultry rearing.

- (c) Give any one example of broilers.

(d) Point out any one way a farmer can take good care of his poultry on a farm.

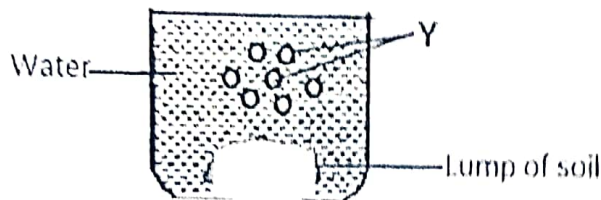
47. (a) Give two similarities between images formed in a human eye and a pinhole camera.

- (i) \_\_\_\_\_  
(ii) \_\_\_\_\_

(b) On which part of the lens camera are images formed?

(c) State the function of the aperture on a lens camera.

48. The diagram below shows an experiment about soil. Use it to answer question that follow.



(a) What does the experiment above show about soil?

(b) Name the structures marked Y.

(c) Identify any two components of soil.

- (i) \_\_\_\_\_  
(ii) \_\_\_\_\_

49. (a) Which class of levers has the fulcrum between the load and effort?

(b) State any one advantage of using machines.

(c) Give an example of each of the following:

- (i) A wedge \_\_\_\_\_  
(ii) An inclined plane \_\_\_\_\_

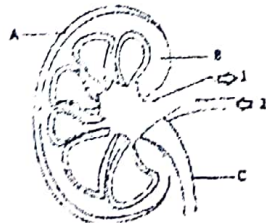
50. a) Solomon gently lowered a stone in a measuring cylinder having 30cc of water and it rose to 45cc. Find the volume of the stone. (2 marks)

(b) Why did the stone sink when it was lowered into the water?

(c) Give one other material which can sink in water apart from a stone.

(d) Name the force that makes objects weigh less when put into water

51. The diagram below is of kidney. Use it to answer the questions that follow.



(a) Name the parts labeled A and C

(i) A \_\_\_\_\_

(ii) C \_\_\_\_\_

(b) Give the function of part labeled C.

(c) Name the important process that takes place in part marked B.

52. Read carefully and match the parts in A to those in B correctly

A

- (i) Operculum
- (ii) Forked tongue
- (iii) Blubber
- (iv) Lateral line

B

- Nostril
- Feathers
- Ears
- Ribcage

- (i) Operculum \_\_\_\_\_
- (ii) Forked tongue \_\_\_\_\_
- (iii) Blubber \_\_\_\_\_
- (iv) Lateral line \_\_\_\_\_

53. (a) What is personal hygiene?

\_\_\_\_\_

(b) Name any two items used to promote oral health

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

(c) Give any one danger of having a dirty body

\_\_\_\_\_

54. Complete the table below correctly

Instrument	Element of weather	Function
	Wind	Measures speed of wind
Rain gauge	Rainfall	
Hygrometer		Measures humidity
	Air pressure	Measures atmospheric pressure

55. a) Give two ways water can be polluted

(i) \_\_\_\_\_

(ii) \_\_\_\_\_

b) How can water pollution be controlled?

\_\_\_\_\_

c) State one danger of water pollution in the community

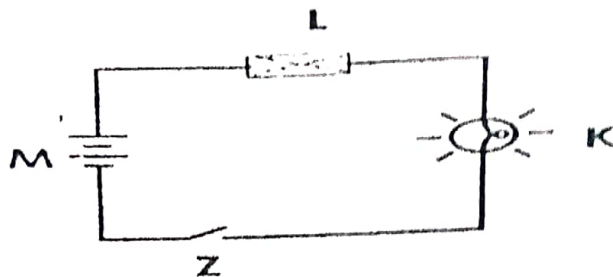
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35. Why is a brick maker encouraged to feed on sweet potatoes?

The diagram below is of a simple complete electric circuit. Use it to answer question 36 and 37.



36. Name one form of energy produced at K when circuit is completed.

37. Using an arrow, show the direction of the flow of current on the diagram above.

38. Which type of lens is used to correct short sightedness?

39. State one advantage of breast feeding to a baby.

40. Why do frogs cover their eggs with a slimy jelly?

### SECTION B

41. Use the organisms below, to answer the questions that follow:

