



# THE PRIME EXAMINATIONS 2024

## P.7 MAGIC SET IV

### INTEGRATED SCIENCE

Time allowed 2 hours 15 minutes

INDEX NO:

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Candidate's Name: .....

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#### READ THE FOLLOWING INSTRUCTIONS CAREFULLY

1. Do not write your **school** or **district** name anywhere on this paper.
2. This paper has **two** sections: **A** and **B** Section **A** has **40** questions and section **B** has **15** questions. The paper has **9** printed pages.
3. Answer **all** questions. **All** answers to both sections **A** and **B** must be written in the spaces provided.
4. **All** answers **must** be written using a **blue** or **black** ball point pen or ink. Any work written in pencil other than graphs and diagrams will **not** be marked.
5. Unnecessary **changes** in your work and handwriting that cannot easily be read may lead to **loss of marks**.
6. Do not fill anything in the table indicated "For Examiners' use only", and those boxes inside the question paper.

#### FOR EXAMINERS' USE ONLY

QUESTION NUMBER	MARKS ATTAINED	INITIALS
1 - 10		
11 - 20		
21 - 30		
31 - 40		
41 - 43		
44 - 46		
47 - 49		
50 - 52		
53 - 55		
TOTAL		

APPROVED:

Consultant

Integrated Science Department (PEC)

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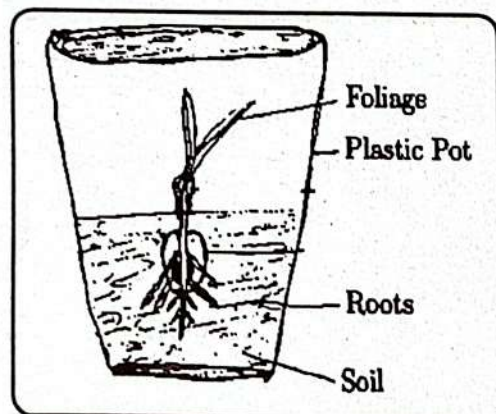


### Section A (40 Marks)

1. Name the part of onions eaten by people.  
\_\_\_\_\_
2. State any one cause of poisoning at home.  
\_\_\_\_\_  
\_\_\_\_\_
3. Give any one way how plants support human life.  
\_\_\_\_\_  
\_\_\_\_\_
4. State any one danger of natural changes to the environment.  
\_\_\_\_\_  
\_\_\_\_\_
5. How does HIV/ AIDS affect the humans?  
\_\_\_\_\_  
\_\_\_\_\_

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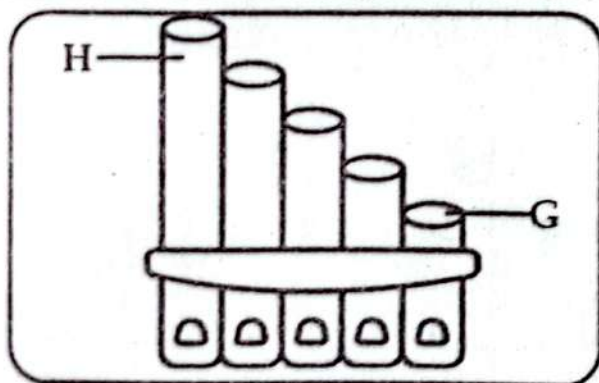
The diagram below shows a type of germination. Study and use it to answer questions 6 and 7.



6. Name the type of germination shown in the diagram above.  
\_\_\_\_\_
7. Mention any one crop that undergoes the type of germination named in above.  
\_\_\_\_\_  
\_\_\_\_\_
8. Give the main reason why some farmers rear sahiwal breed of cattle.  
\_\_\_\_\_  
\_\_\_\_\_
9. Give any one sign of a simple fracture.  
\_\_\_\_\_

10. How are mushrooms similar to ferns?
11. Give one way of preventing constipation in people.
12. Why is it important for teenagers to acquire the skill of assertiveness?
13. How does temperature affect the speed of sound in the environment?
14. Give any one condition that results from prolonged dysentery.
15. State one importance of food security at home

Study the musical instrument below and use it to answer questions 16 and 17.



16. To which group of musical instruments does the above belong?
17. Identify the pipe between H and G which produces the highest pitch of sound.
18. State any one way how bacteria help to reduce the volume of faeces in latrines.



19. How does a hedgehog protect itself in the environment?

20. Mention any one permanent method of family planning.

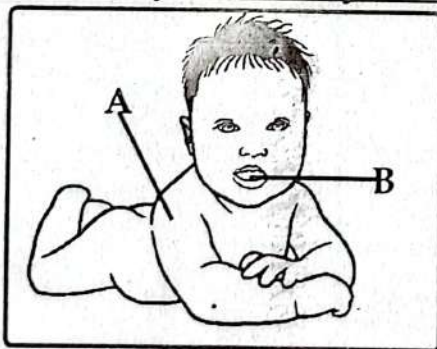
21. What is meant by Primary Health Care?

22. Give one importance of proper handling of food.

23. When should the mother be advised to put her baby on bottle feeding?

24. State the role of organisms found in root nodules of leguminous plants.

The diagram below shows an infant with different sites where vaccines are administered. Study it carefully and answer the questions 25 and 26.



25. Which vaccine is administered at point A on the diagram above?

26. At what age is vaccine at point B administered to infants?

27. Name the deficiency diseases characterized by bleeding gums.

28. What do we call the male reproductive cells of flowers?

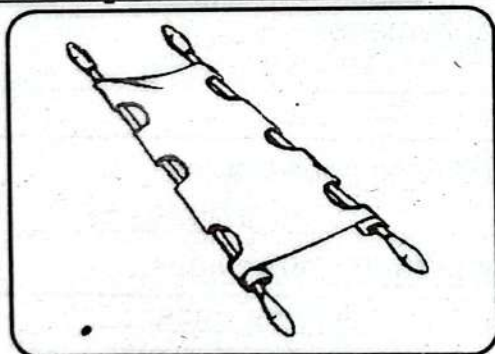
29. Give any one way how poor sanitation affects the people in our community.

30. State any one way how animals benefit people in the community.

31. Name the product of bees used to make shoe polish.

32. State any one way of controlling internal parasites in rabbits.

The diagram below shows a tool used in administering first aid. Study and use it to answer questions 33 and 34.



33. Name the tool shown in the diagram above.

34. State the use of the above tool to a first aider.

35. Give one sign of cassava mosaic on a cassava plant.

36. Give any one activity carried out on seedlings on a nursery bed.



37. Name the type of roots that develop on cereals during flowering stage.

38. State the use of a lactometer to a cattle farmer.

39. Describe how gap filling prevents land wastage.

40. Name the type of skeleton found in wasps.

Section B (60 Marks)

41. (a) What is meant by the term oral health?

(b) Give any two signs of poor oral hygiene.

(i)

(ii)

(c) Name any one disease caused due to poor oral health.

42. Match correctly the insects below to their young ones

Insect	Young ones
(a) Mosquito	Grub
(b) Housefly	Nymph
(c) Bees	Wrigglers
(d) Cockroach	Maggots
(a) Mosquito	:
(b) Housefly	:
(c) Bees	:
(d) Cockroach	:

43. Give any two characteristics of the following;

(a) Wind pollinated flowers.

(i)

(ii)

(b) Insect pollinated flowers.

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

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

44. (a) Mention any one example of an incline plane.

If the load moves through a length of 160m on an inclined plane of height-40m.

(b) Find the mechanical advantage. (3marks)

45. (a) Apart from marabou stork, name one other example of scavenger birds.

(b) How is the beak of an eagle adapted to its function?

(c) Give two dangers of birds of prey to people.

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

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

46. (a) Mention two examples of natural fertilizers.

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

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

(b) Give any two importance of using natural fertilizers over artificial fertilizers.

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

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

47. (a) State any two advantages of castrating billy goats and rams.

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

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



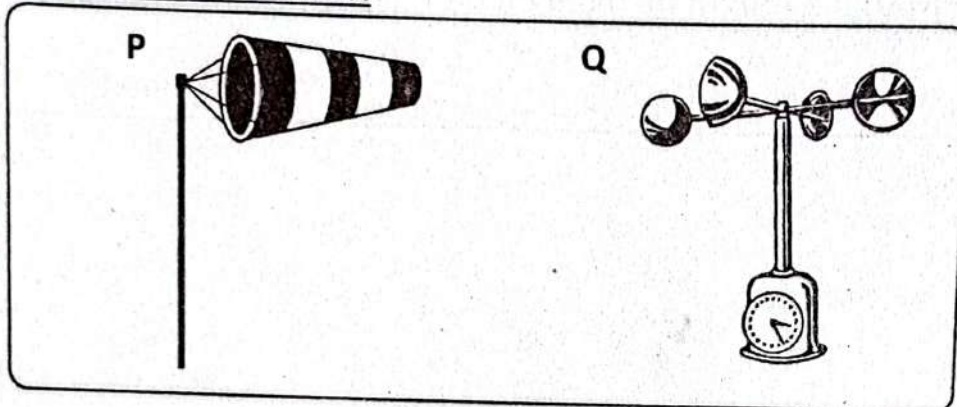
(b) Why do farmers keep the following breeds of goats;

(i) Saanen goats.

(ii) Angora goats.

48.

The diagram below shows weather instruments. Study and use it to answer questions that follow.



(a) Name the weather instrument marked P and Q from the diagram above.

(i) P \_\_\_\_\_ (ii) Q \_\_\_\_\_

(b) Give the importance of weather instrument Q at a weather station.

(c) Why is weather instrument P commonly found at the airstrip?

49

(a) Give one difference between fever and temperature.

(b) State the first aid for fever.

(c) How can we control and prevent fever and convulsion in the community?

(d) Give one reason why we are not advised to give a drink or any food stuff to a convulsing victim.



50. (a) Give one reason why the moon is not a source of light.

(b) State any two properties of light.

(i)

(ii)

(c) Name the substance that protects our body from strong ultra-violet rays from the sun.

51. (a) Mention the mineral from which a coiled filament is made.

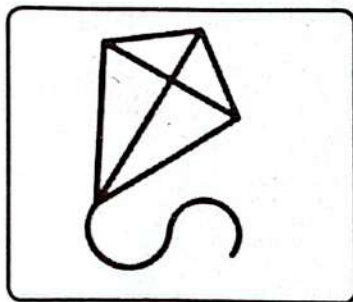
(b) Name two gases commonly used in electric bulbs.

(i)

(ii)

(c) Which energy change takes place in a working electric bulb?

52. The diagram below shows a kite in air. Study and use it to answer questions that follow.



(a) Which property of air helps the above kite to float in air as illustrated above?

(b) What can happen to the above kite if the paper used has hole?

(c) Apart from moving kites, state any other two importance of moving air.

(i)

(ii)



53. (a) Give two main causes of dehydration.

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

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

(b) State two ways of rehydrating a dehydrated victim.

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

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

54. (a) Mention the first two steps to follow when cleaning clothes.

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

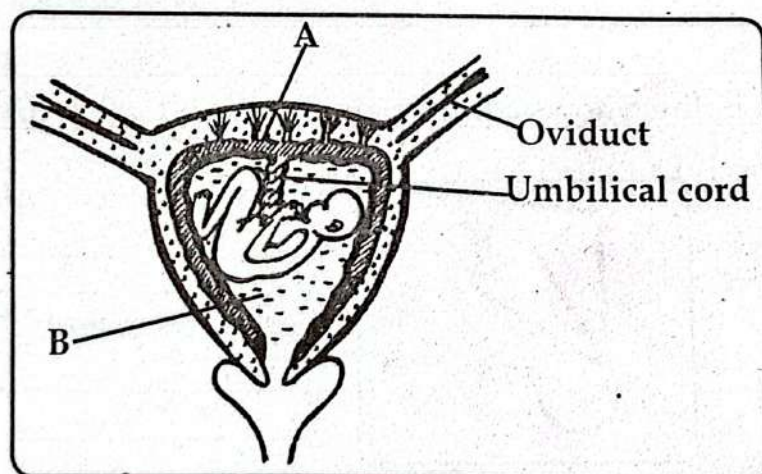
(ii) \_\_\_\_\_

(b) Give two ways how cleaning of clothes help to promote health among people.

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

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

55. The diagram below shows a foetus growing in the womb. Study and use it to answer questions that follow.



(a) Name the parts marked A and B from the diagram above.

(i) A \_\_\_\_\_ (ii) B \_\_\_\_\_

(b) Give any two uses of the umbilical cord to a foetus.

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

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



### **Review your answers**

Always make sure you read through your answers before submitting the test/exam paper. It will help you find any mistakes or questions you may have misread or misinterpreted.