



THE PRIME EXAMINATIONS 2025

P.6 BEGINNING OF TERM I

INTEGRATED SCIENCE (*New Curriculum*)

Time allocated 2 hours 15 minutes



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READ THE FOLLOWING INSTRUCTIONS CAREFULLY

1. This paper has **two** sections: A and B. Section A has **40** questions (**40 Marks**) and Section B has **15** questions. (**60 Marks**)
2. Answer **ALL** questions. All answers to both sections A and B must be written in the spaces provided.
3. All answers **must** be written using a **blue** or **black** ball point pen or ink. Any work written in pencil will **not** be marked.
4. Unnecessary **changes** in your work and handwriting that cannot be read easily may lead to **loss of marks**.
5. Do not fill anything in the table indicated
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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)

PUBLISHERS OF:-

THE PRIME; SCHEMING FRAME WORKS, PUPIL'S WORKBOOKS, LESSON COURSE BOOKS, HOLIDAY PACKAGES
LEARNING GAMES, REVISION BOOKS, PLE ANALYSIS REPORTS AND MANY MORE.

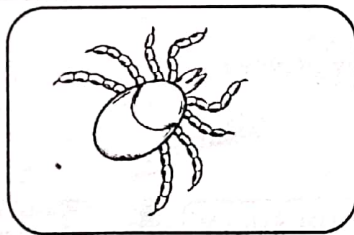
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Turn Over

Section A (40 Marks)

1. Name any one breed of goat kept for milk production.
2. State any one importance of water when promoting personal hygiene.
3. Give the function of the cotyledon of a bean seed during germination.
4. Identify any one example of a chemical change that occurs in animals.
5. State any one importance of introducing basic technology in primary schools.

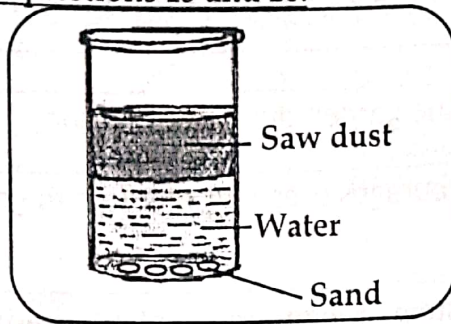
The diagram below shows an ectoparasite that affect goats. Study and use it to answer questions 6 and 7.



6. Name the ectoparasite shown in the diagram above.
7. State any one way how a farmer can control the ectoparasite named in 6 above.
8. Which food value do we get from eating fish?
9. State one reason why the rabbit hutch is constructed with a wire mesh.
10. Write down any one sign of measles in children.
11. Give one reason why electric wires appear loose during hot days.
12. Give any one way how a crop farmer can improve on crop yields.
13. Name the garden tool used for harvesting cereals.
14. State any one danger of having long fingernails.

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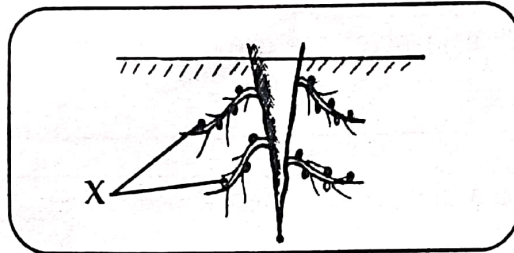
The diagram below shows a method of separating mixtures. Study and use it to answer questions 15 and 16.



15. Name the method of separating mixtures shown above.
16. State any one activity at home that involves the use of the method named in 15 above.
17. Why is it advisable to give ORS to a diarrhoea patient?
18. Give any one use of the rain gauge on a crop farmer.
19. Write down any one non living agent of pollination.
20. State any one way how crop rotation control crop pests in the garden.
21. State any one health problem one can get due to eating under cooked beef.
22. Give any one advice you can give to a friend who has a difficult in passing out stool.
23. Give any one way how fungi can be dangerous to people.
24. Give any one problem faced by farmers who keep their poultry in free range system.
25. How is polio vaccine different from BCG vaccine in the way they are administered to the body?

26. State any one importance of giving first aid to a person with a simple fracture.
27. State the main reason for mulching the garden during dry season.
28. Name the element of PHC which encourages pregnant mothers to go for antenatal care.

The diagram below shows a root system of leguminous plant. Study and use it to answer questions 29 and 30.



29. State the importance of the organism found in part X on the root system above.
30. Why are tea plants with such structures added in a rotation garden?
31. State any one reason why a goat's house is made with a slanting floor.
32. Give any one danger of serving food in dirty places.
33. State any one application of heat transfer by conduction in daily life.
34. Give any one indicator of poor sanitation in your community.
35. Name any one physical change involved in a water cycle.
36. Name the property of air that enables one to inflate air in a balloon.
37. Give any one reason why Carbon dioxide is sealed in bottled drinks like soda.
38. State the importance of feeding a pregnant mother on foods rich in protein.
39. How does increase in temperature affect the rate of transpiration?

40. State any one way how plastic materials can be reused at home.

Section B (60 Marks)

41. (a) *Apart from breast feeding*, give any one way how children can acquire natural immunity.

(b) Give any two importance of immunisation in your community.

(i) _____

(ii) _____

(c) State any one effect of immunisable diseases to humans.

42. (a) Give any two conditions under which a mother can be advised to bottle feed her baby.

(i) _____

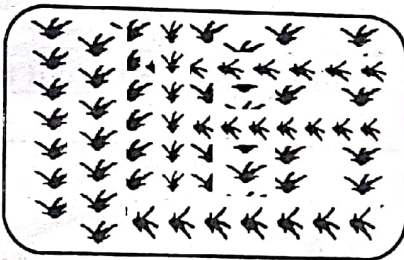
(ii) _____

(b) State the importance of the following classes of food to a pregnant mother.

(i) Carbohydrates _____

(ii) Vitamins _____

43. The diagram below shows a method of planting seeds in the garden. Use it to answer the questions that follow.



(a) Name the method of planting seeds shown above.

(b) Give any two examples of crops that can be planted using the method named in (a) above.

(i) _____ (ii) _____

(c) How can the method named in (a) above be a disadvantage to a crop farmer?

44. (a) Name any one teeth disease spread due to poor oral health.

(b) Give the importance of the following types of teeth.

(i) incisors _____

(ii) molars _____

(c) State any one danger of opening bottles of soda using teeth.

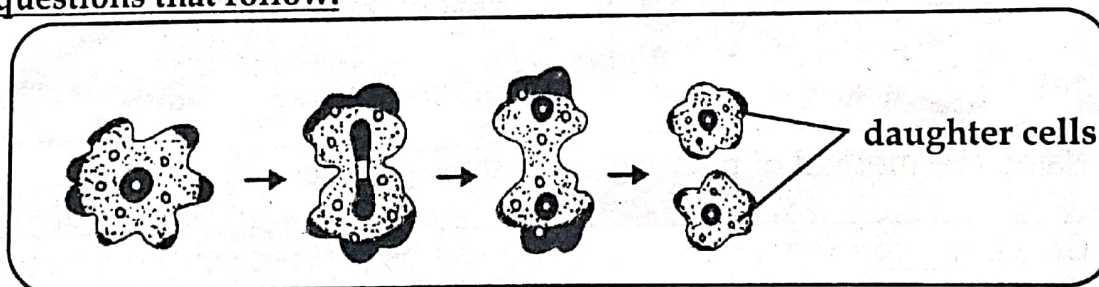
45. The table below shows methods of applying fertilisers in part A and their ways of application in part B. Match the methods to their way of application correctly.

Part A	Part B
Top dressing	Liquid fertilisers are sprinkled onto the soil.
Spraying	Fertilizers are spread all over the soil.
Placement	Fertilisers are placed in a ring around the plant.
Broadcasting	Fertilisers are put into the planting holes.

- (i) Top dressing _____
 (ii) Spraying _____
 (iii) Placement _____
 (iv) Broadcasting _____
46. (a) Give any two uses of electricity at home.
 (i) _____
 (ii) _____
 (b) How can people protect themselves from the dangers of electricity?

 (c) State any one way how a P.6 pupil can save electricity at home.

47. The diagram below shows a mode of reproduction. Study and use it to answer the questions that follow.



- (a) Name the mode of reproduction shown in the diagram above.

- (b) State any two conditions that favour the multiplication of the organism shown in the diagram.
 (i) _____
 (ii) _____
- (c) State any one way how fungi can be useful in our daily life.

48. (a) State any one principle of PHC.

(b) Identify the element of PHC that is promoted through the following activities.

(i) Cleaning water sources _____

(ii) Having regular physical exercise _____

(c) Give any one way how the school health parades improve the health of children at schools.

49. (a) Name the type of soil erosion common in hilly areas.

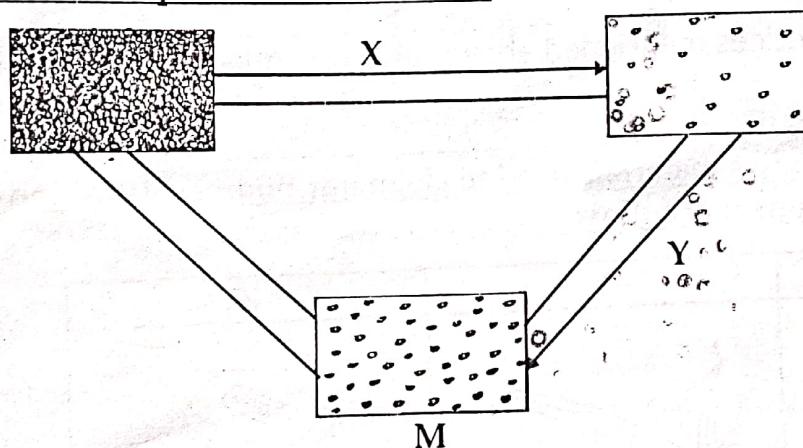
(b) State any two ways of controlling soil erosion in hilly areas.

(i) _____

(ii) _____

(c) State any one effect of soil erosion in the environment.

50. The diagram below shows the changes in states of matter. Study and use it to answer the questions that follow.



(a) To which type of change are the changes shown in the diagram above?

(b) Name the change in the state of matter marked Y.

(c) State any one application of the changes shown in the diagram in our daily life.

(d) Give any one effect of heat gain on the state of matter marked M in the diagram.

51. (a) Give any two ways of preserving food in your community.

(i) _____ (ii) _____

(b) Write down any two importance of preserving food at home.

(i) _____
(ii) _____

52. (a) Name any one type of thermometer.

(b) You are provided with the following items; empty bottles, empty balloons and hot water/boiling water.

Describe how you can use the above items to show that gases expand when they are heated.

(i) _____
(ii) _____
(iii) _____

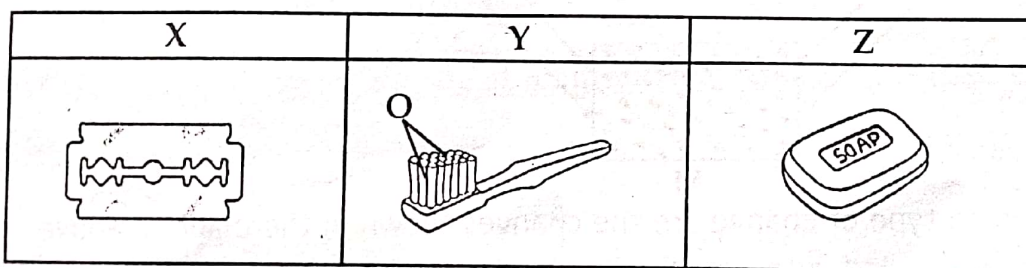
53. (a) Name the type of mosquito that spreads malaria to people.

(b) State any one way how the following practices control malaria at home;

- (i) draining stagnant water _____
(ii) slashing tall grass around the home _____

(c) Apart from the practices mentioned above, give any other way of controlling malaria at home.

54. The diagram below shows materials used to clean our bodies. Study and use it to answer the questions that follow.



(a) Name the material marked X in the diagram above.

(b) How does part marked O in diagram Y help in preventing tooth decay?

(c) *Apart from promoting personal hygiene*, give any other two activities done at home that involves the use of item Z.

(i) _____ (ii) _____

55. (a) Give any two examples of science oriented clubs in schools.

(i) _____ (ii) _____

(b) State any two importance of the science oriented clubs at school.

(i) _____
(ii) _____