

Prime THE PRIME EXAMINATIONS 2024
P.5 END OF YEAR
INTEGRATED SCIENCE (New Curriculum)

Time allocated 2 hours 15 minutes



Name:.....

Signature:.....

School:.....

District Name:.....

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 "FOR EXAMINERS' USE ONLY"

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)

PUBLISHERS OF:-

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

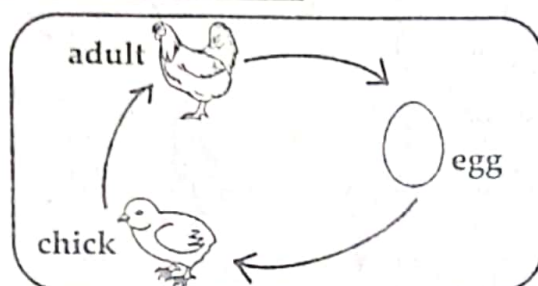
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Turn Over

Section A (40 Marks)

1. Name the component of air with the least percentage in the atmosphere.
2. Which element of PHC helps to control bad body smell?
3. State one factor that may lead to early weaning in babies.
4. Give any one material from which soil is formed.

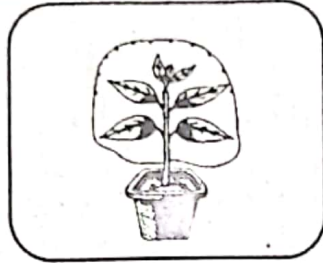
The diagram below shows a change that takes place in birds. Study and use it to answer questions 5 and 6.



5. Name the type of change shown in the diagram above.
6. Write the gestation period of the animal shown in the diagram above.
7. To which type of change would you classify fermentation?
8. Name the method used to separate iron fillings from beans.
9. Give one human activity that lowers the quality of the environment.
10. What kind of accident can John get when his skin gets into contact with hot tea?
11. Write one health practice done before handling food.
12. State one principle of PHC.
13. How can food taboo and beliefs result to nutritional deficiency diseases among people?
14. Mention any one root tuber which is first raised on a nursery bed.

15. State one danger of poor sanitation at home.

The diagram below shows a process that takes place in plants. Study and use it to answer questions 16 and 17.



16. Name the plant process shown in the diagram above.
17. Give one factor that affects the plant process shown above.
18. Mention one local material obtained from banana plants.
19. How does planting of grass in the school compound help to control soil erosion?
20. Name the food value got from eating boiled Irish potatoes.
21. Why should shearing of sheep done in dry season?
22. State one advantage of bottle feeding to a baby whose mother is suffering from HIV/AIDs.
23. How is a *millet seed* different from *bean seed* in terms of germination?
24. Mention one system of keeping poultry.

The diagram below is of a human being. Study and use it to answer questions 25 and 26.



25. To which group of people would you classify the person shown in the diagram above?

26. Give one way of caring for the people who belong to the group named in (25) above.
27. State the danger of whiteflies in cassava plantations.
28. Mention one method of castrating male goats and sheep on a farm.
29. Name the immunisable disease that affects the brain.
30. State one activity involved in the promotion of water and sanitation.
31. Which type of teeth are used by lions to tear meat of other animals?
32. Why should pregnant mother be fed on food stuffs rich in proteins?
33. Give a reason why a volume of a stone is determined using displacement method.
34. State one importance of wind to crop farmers.

The diagram below shows a vector. Study and use it to answer questions 35 and 36.



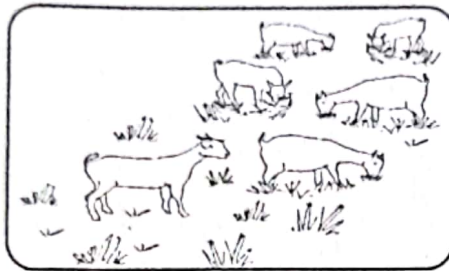
35. Name the disease vector shown above.
36. How is the above disease vector dangerous to man?
37. Give one role played by the tongue during food digestion.
38. Name one tick-borne disease in goats and sheep.
39. Give any one importance of bees to crop farmers.
40. Mention any one example of reversible changes in the environment.

Section B (60 Marks).

41. (a) Mention two types of poultry.
 (i) _____ (ii) _____
 (b) Give one advantage of keeping exotic breeds of chicken over local breeds.

 (c) How can poultry keeping contribute to crop growing?

42. The diagram below shows a method of grazing goats. Study and use it to answer questions that follow.



- (a) Name the method of grazing goats shown above.

 (b) Give any two advantages of grazing goats using the method shown above.
 (i) _____
 (ii) _____
 (c) How is the above method dangerous to crop farmers?

43. (a) Give the meaning of the following terms.
 (i) Dehydration

 (ii) Rehydration

 (b) State one sign of a dehydrated person.

 (c) Why should a dehydrated person be given ORS?

44. (a) Write down one responsibility of the following in promotion of health in the community.
 (i) Individuals

 (ii) Family

 (b) Mention any two ways of caring for sick people at home.
 (i) _____
 (ii) _____

45. The table below represents the different states of matter. Study it and answer questions that follow.

A	B	C
Brick	Soda	Carbon dioxide
Wood	Juice	Carbon monoxide
Stone	Porridge	Oxygen
Book	Ice cream	Nitrogen

- (a) Name the state of matter represented in table A and B.
 (i) A _____ (ii) B _____
 (b) State one characteristic of the state of matter represented in table C.

 (c) Which force hold together molecules of state of matter represented in table A?

46. (a) Give two advantages of breastfeeding to a mother.
 (i) _____
 (ii) _____
 (c) State one reason for weaning babies at six months.

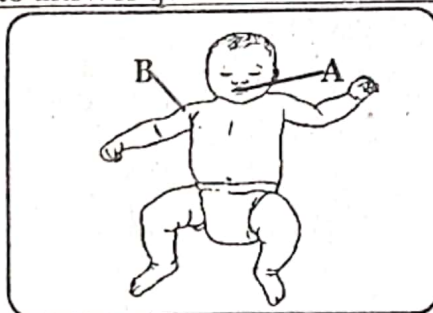
 (d) Name any one food stuff given to babies during weaning.

47. (a) Which part on roots;
 (i) absorbs water and mineral salts from the soil

 (ii) protects a young growing root from damage

- (b) Give two uses of roots to man.
 (i) _____
 (ii) _____

48. The diagram below shows a natural process in the environment. Study and use it to answer questions that follow.



- (a) Name the vaccine administered at point A and B on the diagram above.
 (i) A _____ (ii) B _____
 (b) Which disease is prevented by the vaccine administered at site A?

49. (c) How do health workers administer the vaccine at site B?
- (a) State the element of PHC promoted by the following.
- (i) Proper disposal of faeces.

(ii) Feeding on balanced diet

(b) Give any two activities done during school health parades.

(i) _____

(ii) _____

50. Match the following farm management practices to their meanings.

(i) Docking	is the removal of testes from a male animal.
(ii) Drenching	is the picking of ticks from the skin of animals using hands.
(iii) De-ticking	is giving animals liquid medicine using a bottle.
(iv) Castration	is giving animals solid drugs to kill internal parasites.

(i) Docking : _____

(ii) Drenching : _____

(iii) De-ticking : _____

(iv) Castration : _____

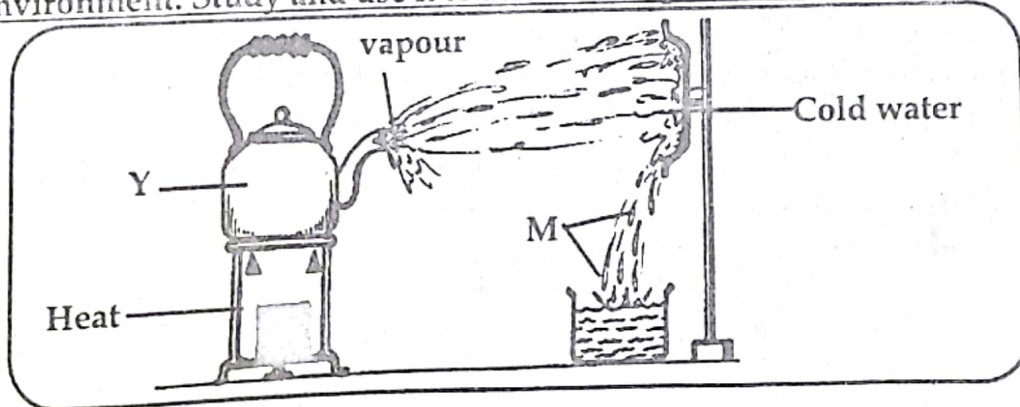
51. (a) How is the reproduction of yeast different from other fungi?

(b) Apart from yeast, mention two other examples of fungi in the environment.

(i) _____ (ii) _____

(c) Give any one way how some fungi are dangerous to people.

52. The diagram below shows a natural process that takes place in the environment. Study and use it to answer the questions that follow.



- (a) Name the physical process that takes place at point Y.

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- (b) What is the function of cold water?

- (c) Which natural process in the environment does this experiment show?

- (d) State the use of heat in the experiment shown above.

53. (a) Mention any two items that can be used to cut long fingernails short.
(i) _____ (ii) _____
- (b) Give any one way how cutting of long fingernails short promotes health.

- (c) *Apart from cutting them short, give one other way of caring for our fingernails.*

54. (a) What is soil erosion?

- (b) Give any two causes of soil erosion.
(i) _____
(ii) _____
- (c) How does paddock grazing control soil erosion?

55. *A P.5 class carried out an experiment on how to find the volume of an irregular object using an over flow can.*
Rearrange the following steps correctly used by a P.5 class when carrying out the experiment.
- (a) *Lower gently the irregular object tied on a thread into the can.*
(b) *Pour water in the can up to the level of the spout.*
(c) *Find the volume of the object by reading the level of water in the cylinder.*
(d) *Collect the water that pours out of the can in a measuring cylinder.*
- (i) _____

(ii) _____

(iii) _____

(iv) _____

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