



THE PRIME EXAMINATIONS 2022

P.7 PRE – PLE TRIAL SET III

INTEGRATED SCIENCE (Abridged Curriculum)

Time allowed 2 hours 15 minutes

INDEX NO:	Random No.	Personal No.



Candidate's Name:.....

Candidate's Signature:.....

School Random No.

District ID:

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.
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)

PUBLISHERS OF:-

THE PRIME; SCHEMING FRAME WORKS, PUPILS' WORKBOOKS, LESSON COURSE BOOKS,
HOLIDAY PACKAGES, LEARNING GAMES AND MORE...

Section A. (40 Marks)

1. Name the living component of the environment that provides people with wood fuel.

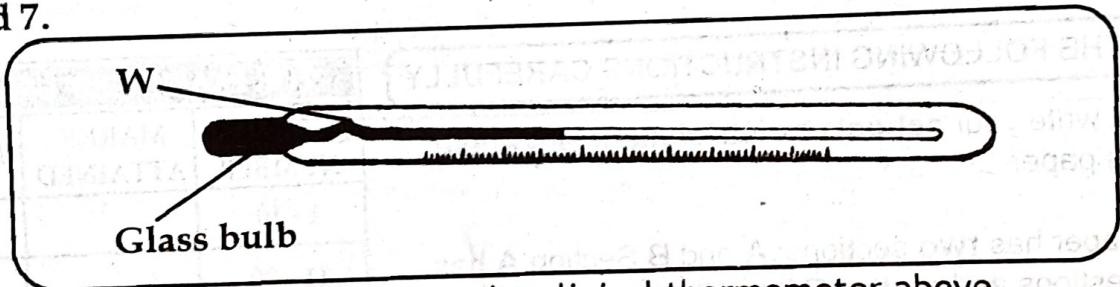
2. State the use of a nail cutter when promoting personal hygiene.

3. Give one way how primates are different from other mammals.

4. Why should weaning babies be given foods rich in proteins?

5. Mention any one example of antagonistic muscles.

The diagram below shows a clinical thermometer. Use it to answer questions 6 and 7.



6. Name the part marked W from the clinical thermometer above.

7. Why should the above clinical thermometer be sterilized using alcohol?

8. Name the natural habitat for earthworms.

9. How are bees important to crop farmers?

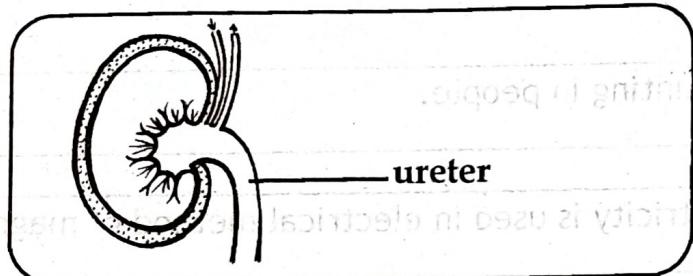
10. State any one industrial use of flowers.

11. Why is it advisable to provide a lid to a convectional pit latrine?

12. Give a reason for regarding wedges as double inclined planes.

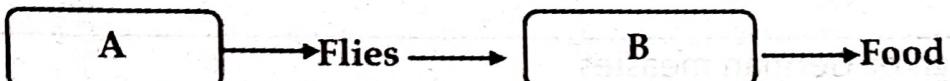
13. Name the disease spread by rat fleas to humans.
14. State any one sign of German measles.

The diagram below shows a body organ. Use it to answer questions 15 and 16.



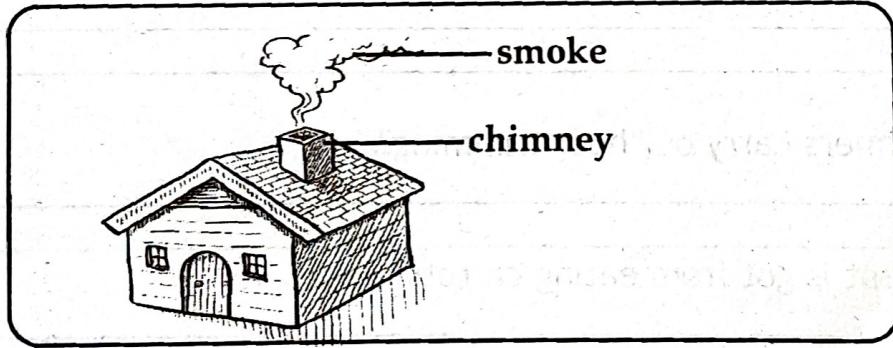
15. Name the body organ shown in the diagram above.
16. Use an arrow and letter U to show the part that carries out filtration of blood.
17. Mention any one component of a clean home.
18. Give any one role of a family in promoting PHC.
19. State any one danger of smoking to a pregnant mother.
20. How is sun light important to plants in the environment?
21. Why do cattle farmers carry out hoof trimming?
22. Which food nutrient is got from eating carrots?
23. State the functional difference between veins and arteries.
24. Give the energy changes that take place in the working electric bulb.
25. Name the system of rearing poultry is commonly practiced in rural areas.

Use the diagram below about the 4fs germ path to answer question 26.



26. Write the 4F marked with letter A.
-
27. Mention the method of planting crops characterized by scattering seeds in the garden.
-
28. State the main cause of fainting in people.
-
29. What type of current electricity is used in electrical method of magnetization?
-
30. Name any one instrument used when finding volume of irregular objects.
-
31. How does paddock grazing control parasites in keeping goats?
-
32. State any one factor that determines the pitch of sound.
-
33. How do trees benefit from animals in agroforestry?
-

Below is a diagram of a kitchen. Use it to answer questions 34 and 35.



34. Name the method of heat transfer that enables smoke to rise through the chimney from the kitchen above.
-
35. Why does the smoke rise through the chimney?
-
36. Give any one way of controlling mosquitoes in a home.
-

37. State any one similarity between centipedes and millipedes.
38. In which one way is oxygen dangerous to metals?
39. Write the fungal disease that can spread through having sexual intercourse with an infected person.
40. Name the body cavity where the heart is found.

Section B. (60 Marks)

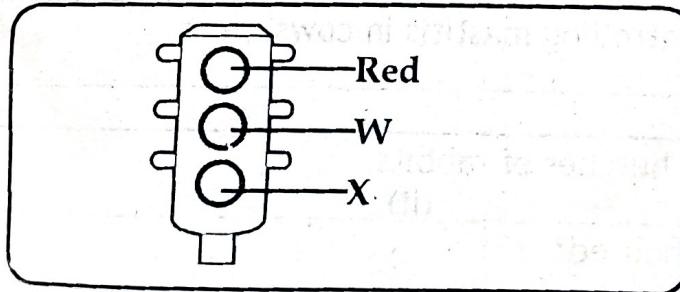
41. (a) Mention the two types of breathing.
(i) _____ (ii) _____
(b) In which one way is breathing important during the process of respiration.

(c) Why do lungs expand during breathing in?

42. (a) Name the form of energy that enable our eyes to see.
(b) How is the retina of the eye similar to the film of a lens camera?

(c) What is meant by the term accommodation as used in light?

43. (a) Mention any two harmful materials on soil.
(i) _____ (ii) _____
(b) Give any two effects of the harmful materials on soil.
(i) _____
(ii) _____
44. Below is a diagram of a road sign. Use it to answer the questions that follow.



- (a) Name the road symbol shown in the diagram above.

(b) Name the colours of the road symbol marked with W and X.

W _____

X _____

(c) Give any two causes of road traffic accidents.

(i) _____

(ii) _____

45. (a) Mention any two examples of common diseases in a home.

(i) _____

(ii) _____

(b) Write down any two ways of controlling the diseases mentioned in (a) above.

(i) _____

(ii) _____

46. Below is a table of tuber crops and how they are propagated. Study and complete it correctly.

Tuber crop	Mode of propagation
cassava	(a) _____
(b) _____	planting vines
carrots	(c) _____
(d) _____	planting stem tubers

47. (a) Apart from chlorine, mention two other chemicals used in treating water.

(i) _____

(ii) _____

(b) Which term is used to mean the putting of chlorine into water?

(c) Give any one advantage of using chemicals when treating water.

48. (a) Name the instrument used to detect the presence of mastitis in milk.

(b) State two signs of mastitis in cows.

(i) _____

(ii) _____

(c) Give any one way of controlling mastitis in cows.

49. (a) Name any two types of hutches of rabbits.

(i) _____

(ii) _____

(b) Why should rabbits be housed?

(c) State the reason for having wire mesh on a hutch.

50. The diagram below is of a person serving food. Use it to answer questions that follow.



(a) Name the element of PHC practiced in the diagram above.

(b) Apart from the above element of PHC, mention two other elements of PHC.

(i) _____ (ii) _____

(c) Why are people advised to eat foods rich in a balanced diet?

51. (a) State any two characteristics of local breeds of cattle.

(i) _____

(ii) _____

(b) Give two reasons why some cattle farmers prefer rearing local breeds to exotic breeds.

(i) _____

(ii) _____

52. (a) Mention any one body process which is a chemical change.

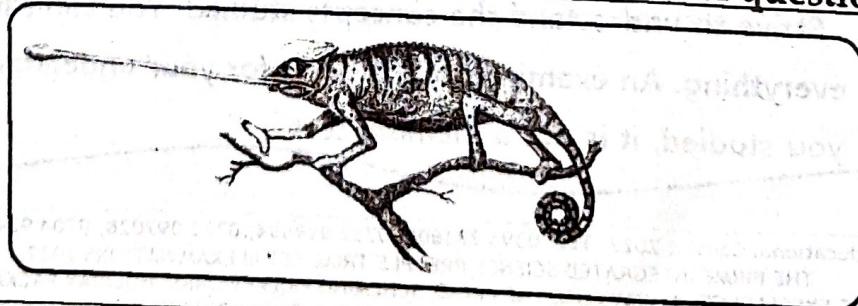
(b) State one similarity between chemical and biological change.

(c) Give two disadvantages of chemical changes to the environment.

(i) _____

(ii) _____

53. The diagram below is of a chameleon. Use it to answer questions that follow.



(a) To which group of vertebrates do we group the above chameleon?

(b) Why does the above chameleon camouflage?

(c) Give the healthy importance of a chameleon to people.

(d) How is a long sticky tongue important to a chameleon?

54. (a) How does ball bearing reduce friction?

(b) Apart from ball bearing, mention two other ways of reducing friction.

(i)

(ii)

(c) Winnie opened the door to her house and it produced a squeaking sound.
What can she do to stop the sound made by the door?

55. (a) Give any two causes of teenage pregnancy.

(i)

(ii)

(b) State two ways of preventing teenage pregnancy.

(i)

(ii)



Hidden Tip For Excellence in Integrated Science.

Strive to understand the concepts studied. You can't memorise everything. An examination is asking for your understanding of what you studied, it is not a memory test.