



# THE PRIME EXAMINATIONS 2022

## P.7 PRE - PLE TRIAL SET V

**INTEGRATED SCIENCE (Abridged Curriculum)**

Time allowed 2 hours 15 minutes

INDEX NO: 

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**READ THE FOLLOWING INSTRUCTIONS CAREFULLY**

- Do not write your school or district name anywhere on this paper.
- This paper has **two** sections: **A** and **B** Section: **A** has 40 questions and section **B** has 15 questions.
- Answer **all** questions. All answers to both sections **A** and **B** must be written in the spaces provided.
- 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.
- Unnecessary **changes** in your work and handwriting that cannot easily be read may lead to **loss** of marks.
- 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:-

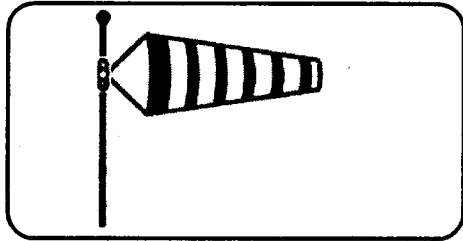
THE PRIME; SCHEMING FRAME WORKS, PUPILS' WORKBOOKS, LESSON COURSE BOOKS, HOLIDAY PACKAGES, LEARNING GAMES AND MORE...

Turn Over

**Section A. (40 Marks)**

1. Name the skin disease caused by itchmites.  
\_\_\_\_\_
2. State one way of conserving soil as a resource.  
\_\_\_\_\_  
\_\_\_\_\_
3. How do chameleons promote good health to people?  
\_\_\_\_\_  
\_\_\_\_\_
4. Write one religious food taboo.  
\_\_\_\_\_
5. Name the type of tuberculosis that affects the skeletal system.  
\_\_\_\_\_

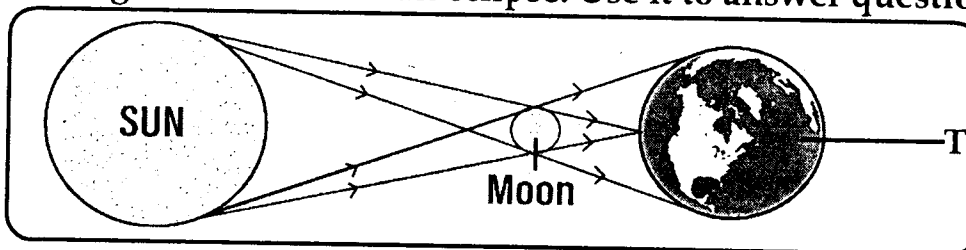
The diagram below is of a weather instrument, use it to answer questions 6 and 7.



6. Name the weather instrument shown in the diagram above.  
\_\_\_\_\_
7. How is the instrument above important at the weather station?  
\_\_\_\_\_  
\_\_\_\_\_
8. Why is an ostrich called a flightless bird?  
\_\_\_\_\_  
\_\_\_\_\_
9. Give a reason why the lower part of the tree where the hive is hung is covered with a piece of cloth smeared with used engine oil.  
\_\_\_\_\_  
\_\_\_\_\_
10. Which type of germination do dicotyledonous seeds undergo?  
\_\_\_\_\_
11. Write the sanitary measure which helps in proper disposal of human wastes.
12. Which feature enables female anopheles mosquitoes to suck blood from human bodies?  
\_\_\_\_\_  
\_\_\_\_\_
13. Why are vaccines kept in cold containers?  
\_\_\_\_\_  
\_\_\_\_\_

14. State the use of the chimney on a kitchen.
15. To which body system do the kidneys belong?
16. What advice can you give a person for doing body physical exercises?
17. How do tapeworms enter into our bodies?

The diagram below is of an eclipse. Use it to answer questions 18 and 19,

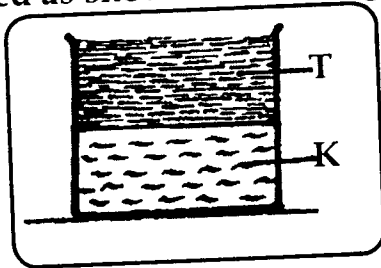


18. Name the body marked T from the diagram above.
19. What results to the formation of the above eclipse?
20. Name the disease in animals that can be controlled by hoof trimming
21. Write one component of a balanced diet.
22. Why is the heart of the person running beats faster than normal?
23. Calculate the voltage needed for a radio which uses 8 dry cells to operate.
24. Give one reason why part of the poultry house is constructed using a wire mesh.
25. To what type of change do we group changes in weather?
26. State one advantage of weeding.

27. How does over inhalation of dry air cause nose bleeding?

28. Why is the earth referred to as a natural magnet?

A Primary five pupil mixed water and cooking oil in a container and they settled as shown in the diagram below.



29. Name the liquid marked K from the diagram above.

30. Why does liquid T float on liquid K?

31. Name the instrument used by farmers in closed castration.

32. Why are echoes commonly reduced using soft porous materials?

33. Write one proper way of harvesting trees.

34. What happens to ice when heated?

35. How is the process of rotting important to crop farmers?

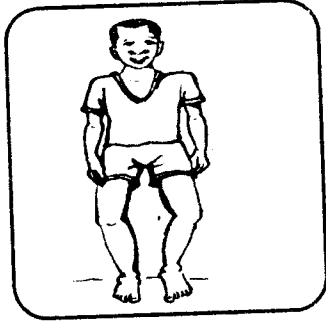
36. Name the arachnid that gives birth to live young ones.

37. State one danger of too much sunshine in the environment.

38. How do yeasts reproduce?

39. Which body organ is affected by hepatitis?

40. How can one prevent the deficiency disease shown in the diagram below?



Section B. (60 Marks)

41. (a) What do we call the practice of covering top soil with dry plant materials?

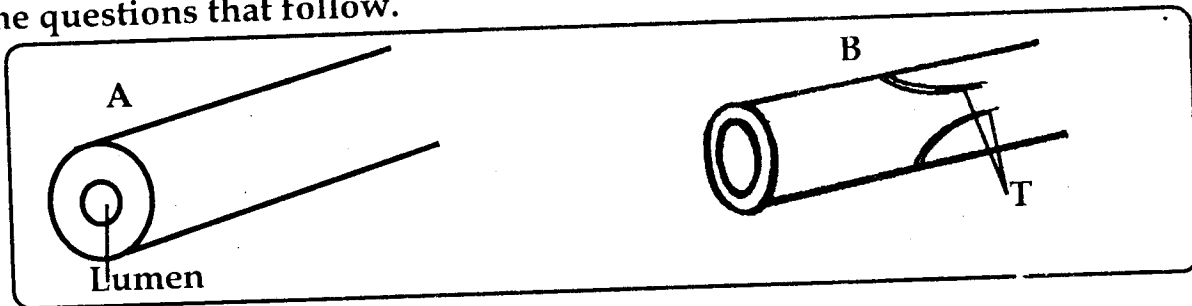
(b) Write any two disadvantages of the above practice.

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

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

(c) How can the above practice improve on soil fertility?

42. The diagram below shows two types of blood vessels. Study them and answer the questions that follow.



(a) Name blood vessel A.

(b) What name is given to structures T in blood vessel B?

(c) Of what importance are the structures marked T in the above vessel B?

(d) What kind of blood is mainly carried by blood vessel A?

43. (a) Name the STD that leads to blindness in babies.

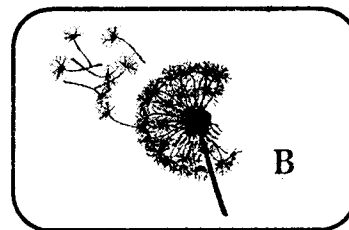
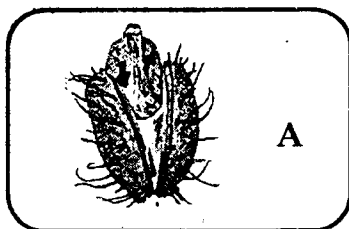
(b) Apart from the above eye disease, write other two diseases that affect the human eyes.

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

(c) How is the iris of the human eye similar to the diaphragm of a lens camera?

44. (a) Write any two examples of common poisonous substances.  
 (i) \_\_\_\_\_ (ii) \_\_\_\_\_  
 (b) Why is it not advisable to make a person who has taken paraffin to vomit?  
 \_\_\_\_\_  
 (c) State one first aid that can be given to a poisoned person.  
 \_\_\_\_\_
45. (a) Write down one way how a P.7 candidate can prevent a bad body smell.  
 \_\_\_\_\_  
 (b) Give any one indicator of poor personal hygiene.  
 \_\_\_\_\_  
 (c) Of what importance are the following items when promoting good personal hygiene?  
 (i) soap: \_\_\_\_\_  
 (ii) clean water: \_\_\_\_\_
46. (a) How are the following steps important when cleaning clothes?  
 (i) soaking  
 \_\_\_\_\_  
 (ii) rinsing  
 \_\_\_\_\_  
 (b) Write one weather condition that favours drying of clothes.  
 \_\_\_\_\_  
 (c) Why is it advisable to wring clothes before drying them?  
 \_\_\_\_\_
47. (a) State two effects of pests to crops.    
 (i) \_\_\_\_\_  
 (ii) \_\_\_\_\_  
 (b) Write one use of pests to farmers.  
 \_\_\_\_\_  
 (c) How can a dog help to control pests in the garden?  
 \_\_\_\_\_

48. The diagrams below show different mechanisms of seed dispersal. Use them to answer questions that follow.



- (a) Name the mechanism of seed dispersal in seeds A and B.  
 (i) A \_\_\_\_\_ (ii) B \_\_\_\_\_  
 (b) Write any one agent of seed dispersal.  
 \_\_\_\_\_

(c) Which structure enables a black jack to be dispersed by animals?

49. (a) What is meant by the term **demography**?

(b) State **two** reasons of carrying out demography.

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

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

(c) Write **one** example of information collected from the community

50. (a) John's rabbit has difficulty in breathing and a running nose. Name one disease his rabbit is suffering from.

(b) Name the rabbit disease which also affects poultry.

(c) Why should a doe with young ones be given enough water?

(d) What name is given to **manufactured feeds** for rabbit?

51. (a) State any **two** importance of carrying out regular body exercises.

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

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

(b) Name the type of germ that causes **polio**.

(c) State **one** way how polio is spread in the community.

52. (a) How are the following parts important to a cow?

(i) A tail switch: \_\_\_\_\_

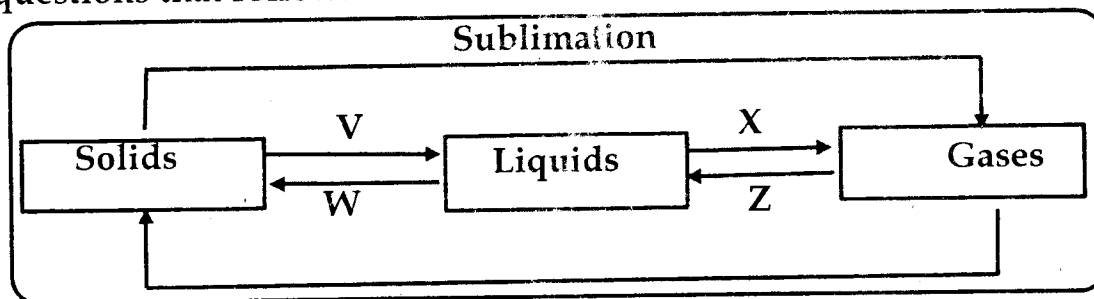
(ii) Udder: \_\_\_\_\_

(b) Name the type of cattle;

(i) with a triangular body shape \_\_\_\_\_

(ii) with a rectangular body shape \_\_\_\_\_

53. The diagram below shows physical changes in matter. Use it to answer the questions that follow.



(a) Name the changes shown by letter W and Z.

(i) W: \_\_\_\_\_ (ii) Z: \_\_\_\_\_

(b) Which of the changes above is as a result of cooling?

(c) What process in the diagram makes dew disappear during hot day?

54. (a) In which one way are conveyor belts important in the following?

(i) manufacturing industries

(i) cars

(b) If the load of 30kg is to be raised using a single fixed pulley, find the effort need. (02 Marks)

55. Match the following crop growing practices to their meaning.

<u>Practice</u>	<u>Meaning</u>
(i) Thinning	is putting of planting materials into the soil to germinate.
(ii) Pruning	is making a plant to grow in a desired shape or direction.
(iii) Plant training	is the removal of excess branches or leaves from the plant.
(iv) Planting	is the removal of excess plants in the garden or nursey bed.

(i) Thinning	_____
(ii) Pruning	_____
(iii) Plant training	_____
(iv) Planting	_____



**Hidden Tip For Excellence in Integrated Science.**

Look over the previous Examination Papers to identify patterns in questions. You can see how general or specific questions are likely to be.