



THE **PRIME EXAMINATIONS** 2024  
**P.7 PRE MOCK**  
**INTEGRATED SCIENCE (New Curriculum)**

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 **7 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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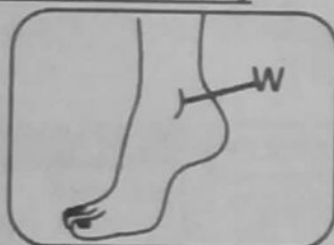
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Turn Over

**Section A (40 Marks)**

1. Name the body organ used for tasting the presence of salt in food.  
\_\_\_\_\_
2. Which energy resource is replaced by rainfall in the environment?  
\_\_\_\_\_  
\_\_\_\_\_
3. Give one way how carbon dioxide is useful to plants during photosynthesis.  
\_\_\_\_\_  
\_\_\_\_\_
4. Why is germination regarded as a biological change in plants?  
\_\_\_\_\_  
\_\_\_\_\_
5. How do scavenger birds help in keeping the environment clean?  
\_\_\_\_\_  
\_\_\_\_\_

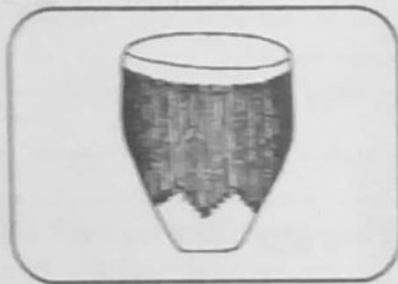
The diagram below shows the human foot. Study and use it to answer questions 6 and 7 correctly.



6. Name the movable joint found at point W above.  
\_\_\_\_\_
7. Give any one disorder that affects the joint at point W.  
\_\_\_\_\_  
\_\_\_\_\_
8. In which form do kidneys excrete excess water, uric acid and excess salt from the body of humans?  
\_\_\_\_\_  
\_\_\_\_\_
9. Why do bacteria commonly breed on decaying matter?  
\_\_\_\_\_  
\_\_\_\_\_
10. How does slashing of tall grass in the compound help to control the spread of malaria?  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

11. Give the part of the digestive system which is affected by diarrhoea.
12. Write down the type of alcohol that is very dangerous to human health when taken.
13. State the importance of a kink on the clinical thermometer.
14. How is the vena cava useful in the heart of human beings?
15. Give any one reason why oxygen is not used in fire extinguishers.

The diagram below shows an example of a musical instrument. Study and use it to answer questions 16 and 17 correctly.



16. To which group of musical instruments do we group the above?
17. How does the above musical instrument produce sound?
18. Name any one disease that attacks both poultry and rabbits.
19. State any one healthy problem faced by people living around wetlands.
20. Give any one way of conserving animals as energy resources.

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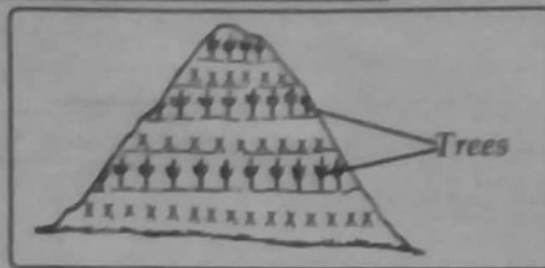
21. Give any one example of health concerns in a community.

22. Name the male reproductive cells in humans.

23. Give one reason why people eat food.

24. Why are plants unable to make food in the night?

25. The diagram below shows a piece of land for crop growing. Study and use it to answer questions 25 and 26.



25. How does the above type of farming help to conserve soil?

26. Apart from the above method, state any one other way soil can be conserved.

27. Name one raw material for respiration in human beings.

28. Which type of immunity is acquired by babies through breast feeding?

29. Give one way how dustbins are useful in a school community.

30. State the reason why calcium is not digested in the body of humans.

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31. Apart from having two main body parts, give one other characteristic of arachnids.  
\_\_\_\_\_  
\_\_\_\_\_
32. Give any one advantage of keeping rabbits over goats.  
\_\_\_\_\_  
\_\_\_\_\_
33. Why is it advisable to cook food from raised places in our home?  
\_\_\_\_\_  
\_\_\_\_\_
34. Name the root crop which is a source of Vitamin A to man.  
\_\_\_\_\_  
\_\_\_\_\_
35. State the property of a magnet used by pilots in doing their daily work.  
\_\_\_\_\_  
\_\_\_\_\_
36. Give any one industrial use of milk.  
\_\_\_\_\_  
\_\_\_\_\_
37. State any one way of controlling diseases spread by houseflies at home.  
\_\_\_\_\_  
\_\_\_\_\_
38. Give one use of gutters on a living house.  
\_\_\_\_\_  
\_\_\_\_\_
39. Name the Sexually Transmitted Disease that leads to blindness in babies.  
\_\_\_\_\_  
\_\_\_\_\_
40. Give the importance of using skilled people when installing electricity in our homes.  
\_\_\_\_\_  
\_\_\_\_\_

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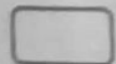
Section B (60 Marks)

41. (a) What are energy resources?  
\_\_\_\_\_  
\_\_\_\_\_  
(b) Give any two ways how people misuse resources in the environment.  
(i) \_\_\_\_\_  
(ii) \_\_\_\_\_  
(c) How does afforestation control drought?  
\_\_\_\_\_  
\_\_\_\_\_
42. (a) In which units is the volume of a cuboid measured?  
\_\_\_\_\_  
(b) Ritah had a box with a length of 4cm, width of 3cm and height of 2cm.  
Find the volume of the box. (03 marks)

43. The diagram below shows an example of simple machine. Study and use it to answer questions that follow.



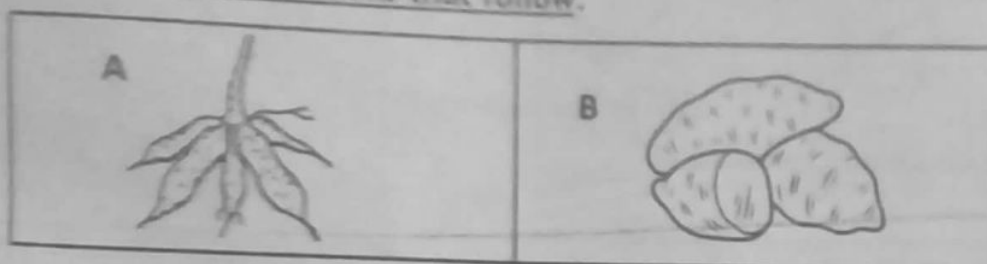
- (a) To which class of levers does the simple machine shown above belong?  
\_\_\_\_\_  
\_\_\_\_\_  
(b) Give any two ways of increasing the efficiency of the simple machine shown above.  
(i) \_\_\_\_\_  
(ii) \_\_\_\_\_  
(c) Use an arrow and letter N to indicate the position of the effort on the simple machine shown above.  
\_\_\_\_\_





44. (a) State the use of a shell found on the back of a snail.  
 (b) How are garden snails dangerous to crop farmers?  
 (c) Give any one way of controlling garden snails in the environment.  
 (d) How do molluscs reproduce?

45. The diagram below shows examples of root tuber crops. Study and use it to answer the questions that follow.



- (a) Name the food value obtained from eating root tuber B.  
 (b) How is root tuber A propagated?  
 (c) Give any two ways of caring for the tuber crops shown above.  
 (i)  
 (ii)
46. (a) Name any one example of each of the following;  
 (i) Local breeds of goats.  
 (ii) Exotic breed of goats.  
 (b) Mention any two products got from goats.  
 (i)  
 (ii)

47. (a) Which first aid measure can you give to Jireh with an insect in the ear?

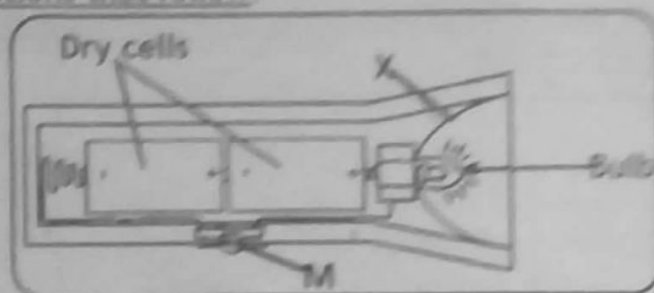
(b) Apart from an insect, mention two other foreign bodies in the ears.

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

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

(c) Give a reason why it is not advisable to remove foreign bodies in the ears using sharp instruments.

48. The diagram below shows a flash torch. Study and use it to answer questions that follow.



(a) Give the importance of parts marked X and M from the diagram above.

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

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

(b) Which type of beam is produced by a working torch?

(c) State what may happen when the cover of the torch above is not fixed properly.

49. The P.4 pupils wanted to experiment a certain process in plants. So, they carried out the following;

(i) Tied a large transparent polythene paper around the leaves and stem of a flowering plant on their school compound.

(ii) They left it for three hours.

(a) Which process in plants did the P.4 pupil wanted to prove?

(b) How is the above process important in the environment?

(b) Give any two factors that affect the process named in (a) above.

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

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



50. Give any two effects of the following.

(a) heat gain on matter.

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

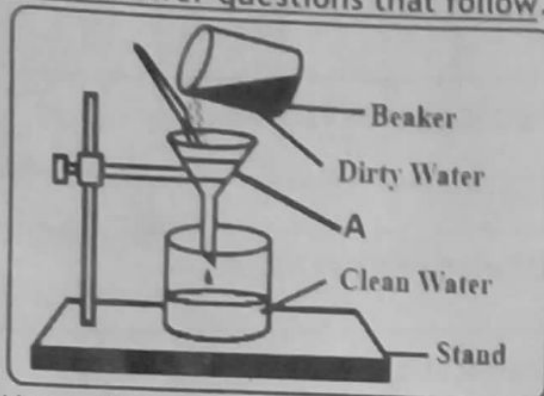
(ii) \_\_\_\_\_

(b) heat loss on matter

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

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

51. The diagram below shows a method of obtaining clean water. Study and use it to answer questions that follow.



(a) Name the method of obtaining clean water shown above.

(b) Give the importance of part marked A from the diagram above.

(c) Why is water obtained through the above method not good for drinking?

(d) State any one way of making the water obtained above safe for drinking.

52. (a) Apart from decomposition, give any one other way how soil is formed in the environment.

(b) Name any one living organisms that help in decomposition of organic matter.

(c) Give any two human activities that can lead to soil exhaustion.

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

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

53. (a) What is meant by the term a breed of cattle?

(b) Give any two characteristics of local breeds of cattle.

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

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

(c) State the best way of improving on the quality of milk produced by *exotic* cows.

54. (a) How is static electricity produced in the environment?

(b) Name the best example of static electricity in nature.

(c) Give any two differences between static electricity and current electricity.

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

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

55. Give any two primary sex characteristics;

(a) In boys

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

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

(b) In girls

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

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