



THE PRIME EXAMINATIONS 2025

P.7 BEGINNING OF TERM I

INTEGRATED SCIENCE (New Curriculum)

Time allocated 2 hours 15 minutes



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Name:.....

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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

"FOR EXAMINERS' USE ONLY"

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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)

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LEARNING GAMES, REVISION BOOKS, PLE ANALYSIS REPORTS AND MANY MORE.

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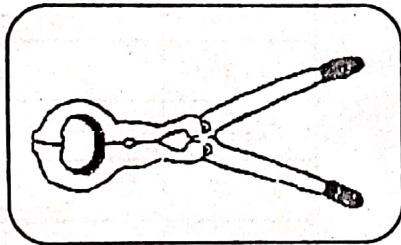
Turn Over

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Section A (40 Marks)

1. Name any one example of a plant fibre.
2. State any one way in which the wearing of a face mask helps to prevent the respiratory diseases.
3. Mention any one advantage of using a modern bee hive over traditional beehives.
4. Give any one way in which the enamel is adapted to its function.
5. State any one importance of breastfeeding babies.
6. Name one viral disease in cattle common in Uganda.
7. How does bush burning lead to soil erosion?

The diagram below shows a tool used in cattle management. Study and use it to answer questions 8 and 9.



8. Name the tool shown in the diagram above.
9. Give any one way how the above tool is useful to a cattle farmer.
10. Apart from physical exercise, mention any another health life style that should be done to keep the body healthy.
11. State one way the eggs of amphibians are protected from predators.
12. Give any one way of conserving soil as a resource.

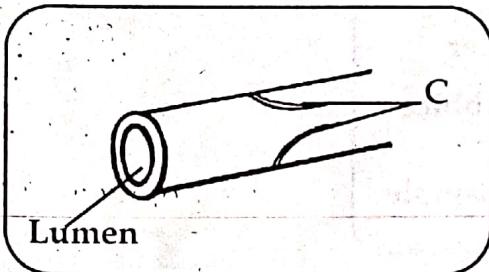
13. Apart from oxygen, give any other condition needed for germination to take place.

14. Mention one reason why people eat food.

15. What is the difference between a *first aid kit* and a *first aid box*?

16. Which type of immunity is got from recovering from an illness?

The diagram below shows a blood vessel. Study and use it to answer questions 17 and 18.



17. Name part marked C on the diagram above.

18. Give the function of part marked C on the blood vessel shown above.

19. Which human body organ is responsible for filtering blood?

20. Name one example of a biological change in plants.

21. State any one sign of a child suffering from vitamin C deficiency.

22. State any one way in which water can get contaminated in a community.

23. Give the function of the chest cavity during the process of breathing.

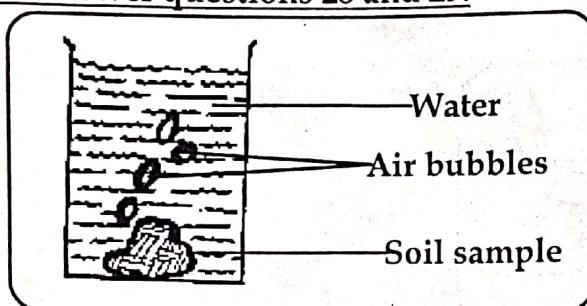
24. State one way in which pest control in crop growing helps to improve crop yields.

25. Give one reason why breastfeeding mothers are among vulnerable groups of people.

26. Name the part of an Irish potato which is used for propagation.

27. How does the draining away of stagnant water help in the control of the spread of malaria?

The experiment below, about soil was carried out by pupils of a P.5 class. Study and use it to answer questions 28 and 29.



28. What does the experiment above prove about soil?

29. State the role of water in the above experiment.

30. In which state of matter does sound travel fastest?

31. Give one reason for dipping the burnt part in clean cold water.

32. Give one way in which houseflies are adapted to spreading germs.

33. Mention one activity that can be done to keep our body clean.

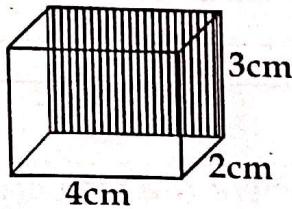
34. State one reason why most farmers harvest their cereals in dry season.

35. Name one human activity that can lead to soil erosion.

36. Give one reason why pedestrians are advised to cross busy roads on zebra crossing.

37. How does the washing of hands before eating food control the spread of diarrhoeal disease?

The diagram below is of a cuboid. Study and use it to answer the questions 38 and 39.



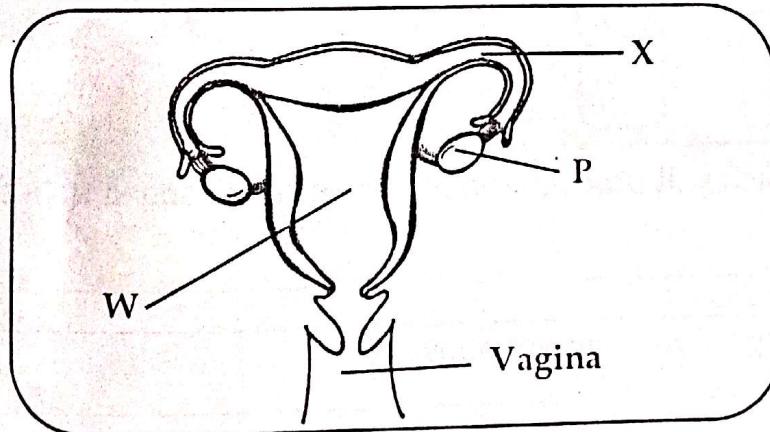
38. Calculate the volume of the regular shaped object above.

39. What is the best method for finding the volume of irregular shaped objects?

40. Mention any one component of ORS.

Section B (60 Marks)

41. The diagram below is of a female reproductive system. Study and use it to answer the questions that follow.



- (a) Name the part marked with letter X on the diagram above.

- (b) Which part on the above diagram allows implantation to take place?

- (c) Name any one disease that affects the above body system.

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(d) Give any one way in which we can keep the above body system healthy.

42.

(a) Give one example in each of the following;

(i) useful fungi _____

(ii) harmful fungi _____

(b) How is yeast important in the process of fermentation of alcohol?

(c) In which way does yeast reproduce?

43.

(a) What name is given to the *body condition where the temperature rises above the normal?*

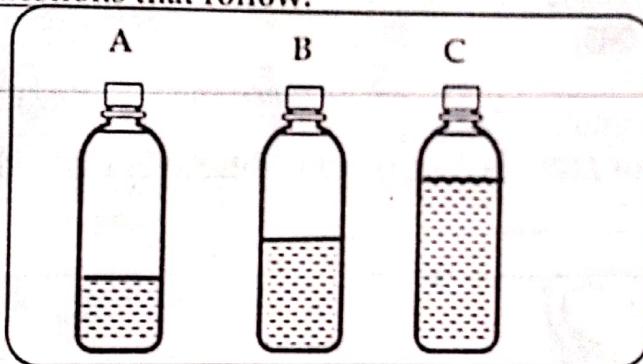
(b) Mention any two diseases that can lead to the condition mentioned above.

(i) _____ (ii) _____

(c) How is tepid sponging important to a person with the condition named in (a) above?

44.

The experiment below is about sound energy. Study and use it to answer questions that follow.



(a) Name the bottle which will produce the highest pitch of sound from the above experiment.

(b) Give a reason to support your answer above.

(c) Mention two factors that determine the pitch of sound.

(i) _____

(ii) _____

45.

(a) Give the function of the following parts of a VIP latrine.

(i) Vent pipe _____

(ii) Fly screen _____

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- (b) State two ways of proper use of a VIP latrine.
 (i) _____
 (ii) _____
46. (a) Mention two materials used for making Farm Yard Manure.
 (i) _____ (ii) _____
 (b) Write down two advantages of natural fertilizers.
 (i) _____
 (ii) _____
47. Study the immunisation table below and complete it correctly.
- | VACCINE | DISEASE |
|-------------|-------------|
| (i) DPT | _____ |
| (ii) _____ | measles |
| (iii) _____ | Hepatitis B |
| (iv) BCG | _____ |
48. (a) Give any two characteristics of viable seeds.
 (i) _____
 (ii) _____
 (b) State two ways of preventing pest damage on stored seeds.
 (i) _____
 (ii) _____
49. (a) Give one importance of the following processes in the environment.
 (i) Photosynthesis _____
 (ii) Transpiration _____
 (b) Mention any two factors that affect transpiration.
 (i) _____ (ii) _____
50. The diagram below is of an invertebrate. Study and use it to answer the questions that follow.
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- (a) Name the parts marked W and H.
 (i) W _____ (ii) H _____
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- (b) What does the above organism feed on?
- (c) State one effect of the above organism in the body of humans.
51. (a) Give the importance of the following blood cells in the body.
(i) White blood cells _____
(ii) Red blood cells _____
(b) State any one way of increasing the volume of blood in the body.

(c) How is the haemoglobin important to red blood cells?

52. (a) What are *essential drugs*?

(b) Give one example of a pain killer essential drug.

(c) Mention two importance of essential drugs to people.
(i) _____
(ii) _____
53. (a) Give one difference between *physical changes* and *chemical changes*.

(b) Mention one example of a body change in humans.

(c) Mention two examples of chemical changes.
(i) _____ (ii) _____
54. (a) Write down two natural sources of heat in the environment.
(i) _____ (ii) _____
(b) Give two uses of heat energy in a home.
(i) _____
(ii) _____
55. (a) State the use of the following items during personal hygiene.
(i) soap _____
(ii) sponge _____
(b) Explain how cutting long finger nails short help to control food contamination.
(i) _____
(ii) _____