

# THE PRIME SPECIAL EXAMINATIONS 2022

## INTEGRATED SCIENCE (Abridged Curriculum)

Time allowed 2 hours 15 minutes

NDEX NO: 

Random No.						Personal No.		

PRIME CODE

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Candidate's Name: .....

Candidate's Signature: .....

School Random No. ....

District ID: .....



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. The paper has 9 printed pages.
- 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		

Organised by:

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Kampala

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THE PRIME; SCHEMING FRAMEWORKS, HOLIDAY PACKAGES, LEARNING GAMES, LESSON COURSE BOOKS AND PUPILS' WORKBOOKS

APPROVED:

Consultant

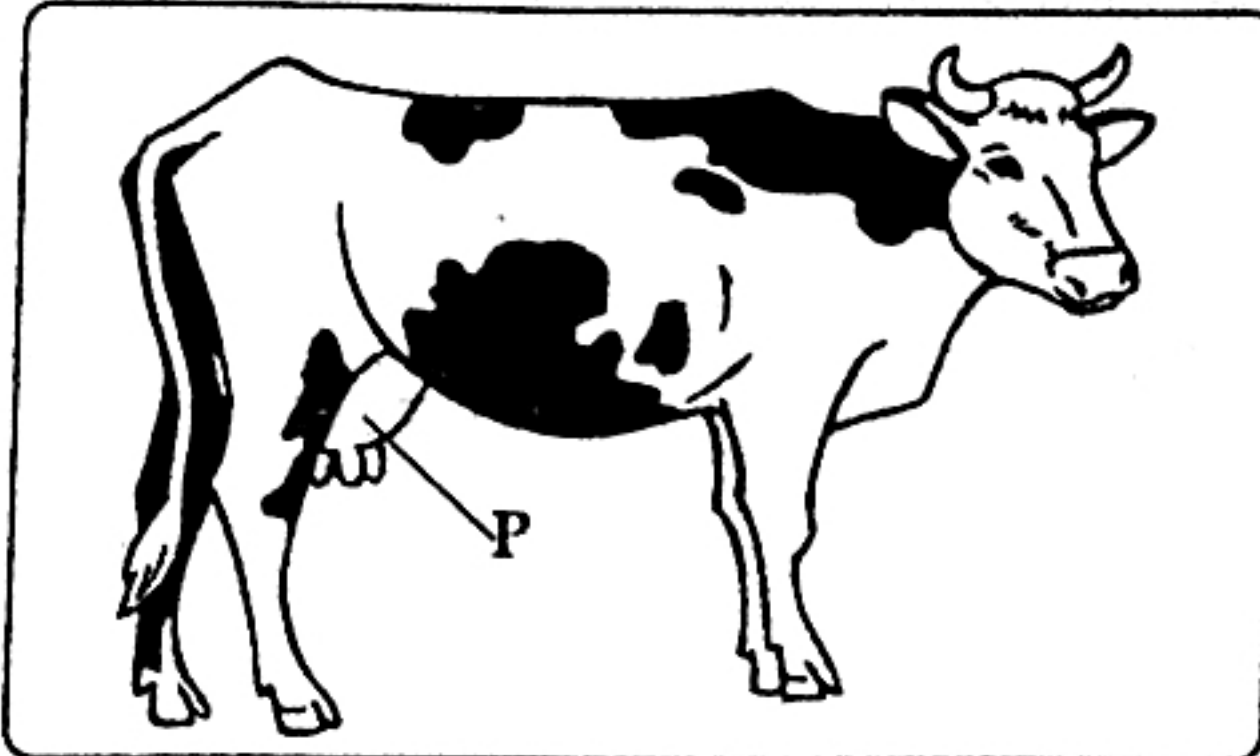
Integrated Science Department (PEC)

Turn Over

**Section A (40 Marks)**

1. Name the natural resource used for generating hydroelectric power.  
\_\_\_\_\_  
\_\_\_\_\_
2. State the use of soap when bathing.  
\_\_\_\_\_  
\_\_\_\_\_
3. Which type of skeleton is found in vertebrates?  
\_\_\_\_\_  
\_\_\_\_\_
4. Give any one advantage of bottle feeding to a baby.  
\_\_\_\_\_  
\_\_\_\_\_
5. Name the part of the skull that protects the brain.  
\_\_\_\_\_  
\_\_\_\_\_
6. Why is rainfall measured in millimeter?  
\_\_\_\_\_  
\_\_\_\_\_

**Below is a diagram of a domestic animal. Use it to answer the questions 7 and 8.**



7. Name any one protein product got from the animal above.  
\_\_\_\_\_
8. Which bacterial disease affects part marked with letter P?  
\_\_\_\_\_  
\_\_\_\_\_
9. Why is a queen bee kept in a brood chamber?  
\_\_\_\_\_  
\_\_\_\_\_



10. State the importance of root hairs on a tap root system?

11. How does a single movable pulley simplify work?

12. Give one reason why ticks are not regarded as insects.

13. Name the type of immunity got through immunization.

14. State any one role played by a father in a family.

Below is a diagram of a hand affected by skin disease.



15. Identify the skin disease the above infant is suffering from.

16. Give any one way of preventing the skin disease identified in 15 above.

17. State any one principle of PHC.

18. Write down any one social factor that leads to alcoholism.

19. Why is a moon not regarded as a natural source of light?

20. What do we call the act of producing a calf in a cow?

\_\_\_\_\_

\_\_\_\_\_



21. Name the food value that repair worn out cells in the body of an old person

\_\_\_\_\_

\_\_\_\_\_

22. Why is silver not commonly used when making heat conductors?

\_\_\_\_\_

\_\_\_\_\_

23. Apart from layers, name one other type of chicken.

\_\_\_\_\_

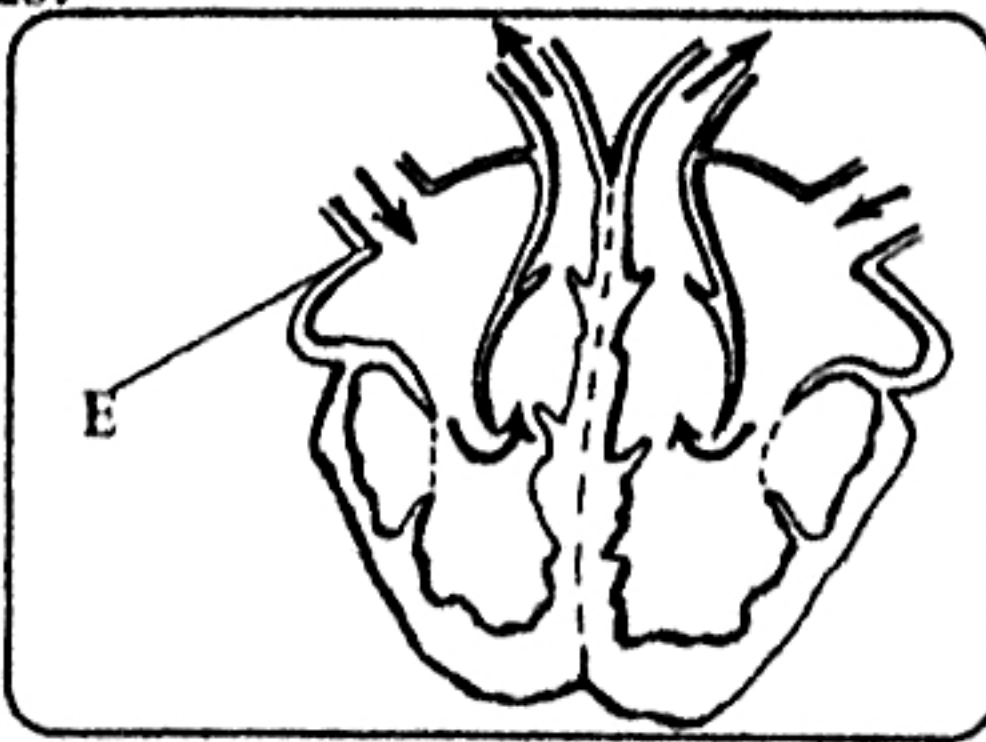
\_\_\_\_\_

24. Name the component of air which is a raw material in respiration.

\_\_\_\_\_

\_\_\_\_\_

The diagram shows the structure of the human heart. Use it to answer questions 25 and 26.



25. Name the blood vessel marked with letter E.

\_\_\_\_\_

\_\_\_\_\_

26. Use an arrow and letter F to show the part that prevents the backflow of blood.

27. State the use of a sickle to a crop farmer.

\_\_\_\_\_

\_\_\_\_\_

28. Give the first aid for fever.

\_\_\_\_\_

\_\_\_\_\_

29. Apart from the earth, give one other example of a natural magnet.

\_\_\_\_\_

\_\_\_\_\_

30. State the difference between mass and weight in terms of basic units.

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31. Name the breed of goat kept for mohair.

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32. How can pitch of a drum be increased?

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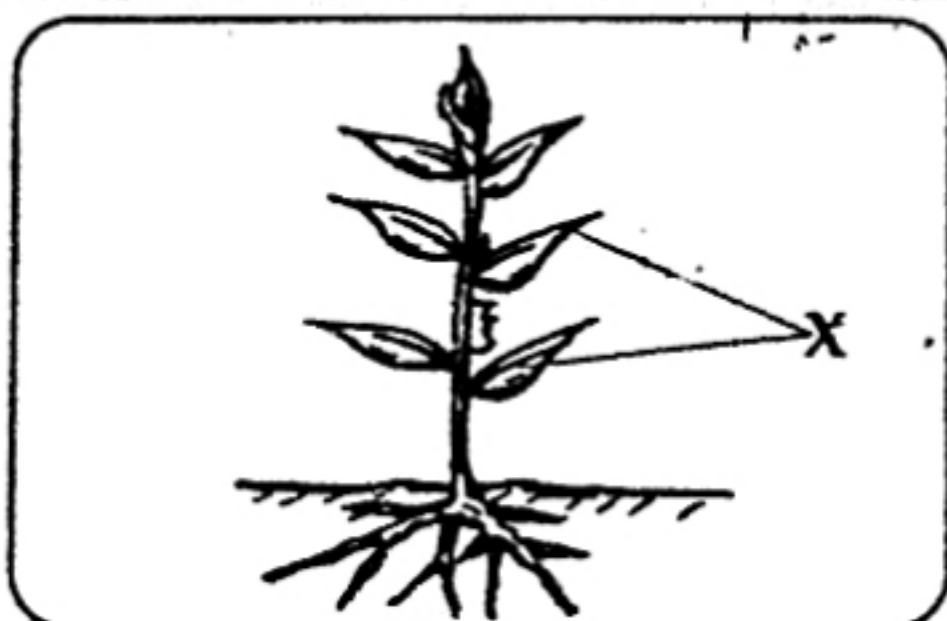
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33. Mention one solute used when making SSS.

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Below is a diagram of plant use it to answer questions 34 and 35.



34. Name the process that take place in X with the help of sunlight energy.

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35. What name is given to the coloring matter that enables the process named in 34 above to take place?

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36. Which part of a snail performs the same function like feelers of a cockroach?

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37. Why should a kitchen be kept clean?

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38. Apart from making ropes, give any one other use of sisal as a plant fibre.

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39. Name any one place in the environment where bacteria can breed from.

40. State the use of an ear to a person with permanent deafness.

**Section B (60 Marks)**

41. (a) Which important process takes place in the air sacs of the lungs?

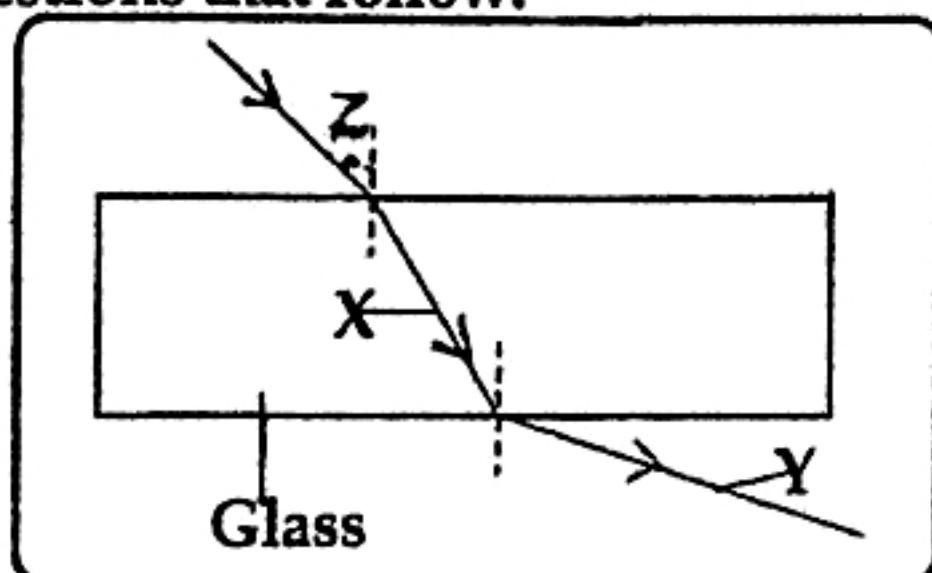
(b) Give two adaptations of air sacs to their functions.

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

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

(c) How is the pleural fluid important in the process of breathing?

42. Below is a diagram showing reflection of light through a glass block. Use it to answer questions that follow.



(a) Name the rays marked with letter X and Y.

(i) X: \_\_\_\_\_ (ii) Y: \_\_\_\_\_

(b) What do we call angle marked Z from the diagram above?

(c) Give a reason why ray X is reflected as shown in the diagram above.

43. (a) Mention any two components of soil.

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

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

(b) Write down any two organisms that use soil as their habitat.

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

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

44. (a) State a difference between a burn and a scald.

\_\_\_\_\_

(b) Write down any three causes of scald.

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

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

(iii) \_\_\_\_\_

45. Below are elements of sanitation with their use. Match them correctly.

Elements	Uses
Larine	Is where we put utensils to dry after washing.
Rubbish pit	Is where we cook and store food.
Kitchen	Is where we dispose human waste.
Plate rack	Is where we dispose kitchen waste
(a) Larine	: _____
(b) Rubbish pit	: _____
(c) Kitchen	: _____
(d) Plate rack	: _____

46. (a) Name any two materials used when carrying out filtration method.

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

(b) What name is given to;

(i) a clear liquid collected after filtration: \_\_\_\_\_

(ii) solid particles that remain on a filter paper: \_\_\_\_\_

47. (a) Why is cassava regarded as a root tuber?

\_\_\_\_\_

(b) Which food value do we get from eating cassava?

\_\_\_\_\_

(c) How is cassava propagated?

\_\_\_\_\_

(d) State any one way of caring for cassava.

\_\_\_\_\_

\_\_\_\_\_

48. (a) In which one way is the reproduction of mosses different from beans?

(b) Give one condition that favours the growth of mosses.

(c) State a reason why mosses are regarded as plants.

(d) Write down any one use of algae.

49. (a) What is meant by antisocial behaviours in the society?

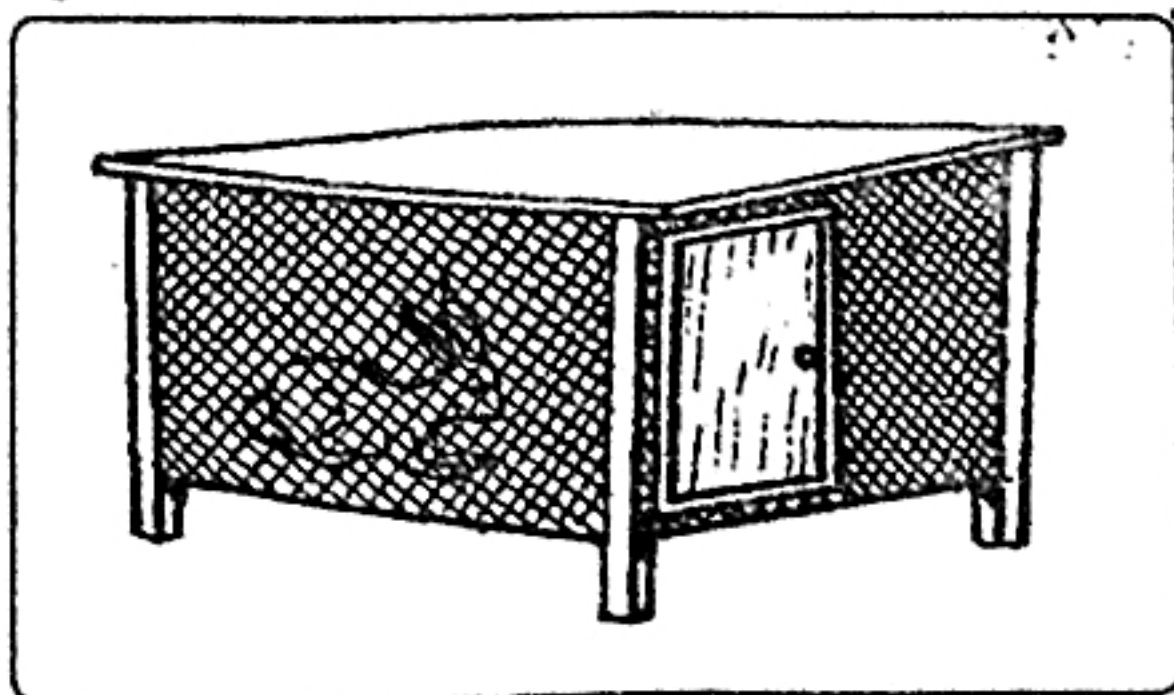
(b) Mention any two examples of antisocial behaviors.

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

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

(d) Give any one cause of truancy.

50. The diagram below is a caged hutch. Use it to answer questions that follow.



(a) Apart from the type of hutch shown in the diagram above, mention one other type of hutch that you know.

(b) Why is the above hutch made with wire mesh?



(c) Give two reasons for housing rabbits.

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

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

1. (a) Write CDD in full as used in primary health care.

(b) Mention two practices carried out in promotion of CDD.

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

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

(b) Mention down any one disease that can break out if one does not practice CDD.

2. (a) State the main reason for rearing beef cattle.

(b) Write down any two characteristics of beef cattle.

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

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

(c) Mention any one example of a beef cattle

53. (a) Write down any two characteristics of physical changes.

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

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

(b) Mention two examples of physical changes.

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

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

54. What name is given to the force that opposes motion between two surfaces in contact?

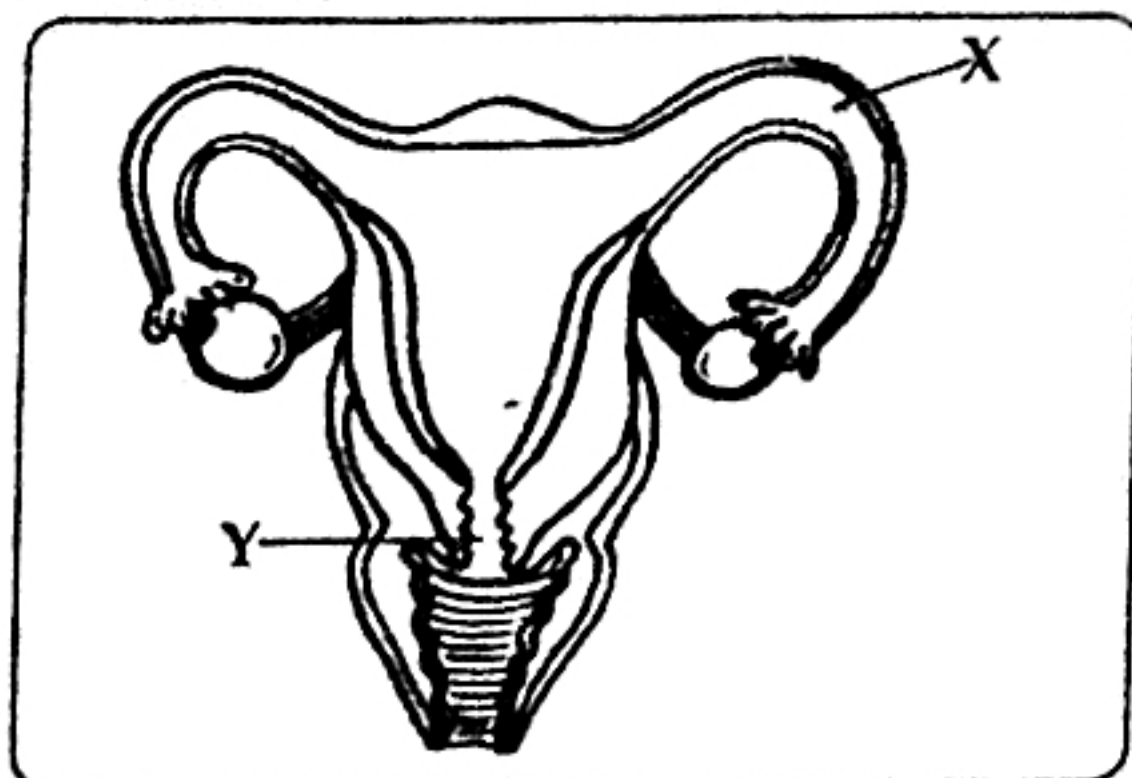
(b) Name the type of electricity produced by the static electricity.

(c) Give any two advantages of the force named in (a) above.

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

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

55. The diagram below shows the female reproductive system. Use it to answer questions that follow.



(a) Name the parts marked X and Y.

(i) X \_\_\_\_\_ (ii) Y \_\_\_\_\_

(b) What importance process takes place in part X.

(c) Mention any one hormone produced by the ovary.