



THE PRIME EXAMINATIONS 2024

P.7 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 9 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 (P.E.C)

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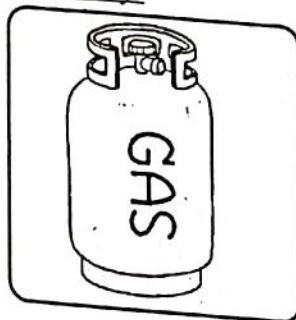
Kampala

Turn Over

Section A (40 Marks)

1. Give one way of preventing water loss from soil.
2. How do plants help to control air pollution in the environment?
3. How does the length of the string affect the pitch of sound produced by a guitar?
4. Give any one example of a biological change in animals.
5. State one importance of giving guidance and counselling to teenagers.

The diagram below shows a type of fuel. Study and use it to answer questions 6 and 7 correctly.



6. Why should the above fuel be sealed tightly when not in use?
7. How does the use of the above fuel help to conserve the environment?
8. State one life skill an adolescent should have to safeguard against drug abuse.
9. State one way in which bacteria are useful to people.

10. Give any one cause of poor sanitation in our community.

11. Name the type of digestion where the food forms chyme.

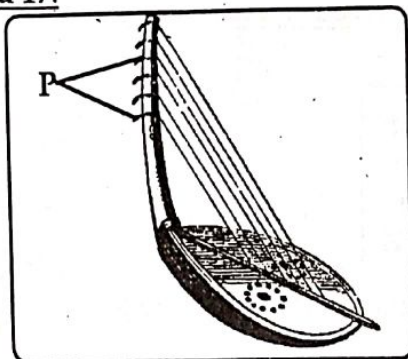
12. State the use of methyl alcohol to health workers in doing their daily work.

13. How are clouds formed in the atmosphere?

14. Mention any one condition that may increase the heartbeat of a person.

15. State one reason why most blankets are made of wool.

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



16. How does the musical instrument shown above produce sound?

17. State the importance of part marked P from the musical instrument shown above.

18. Name the fungus that reproduces by cell budding.

19. Give any one sign of sick animals on a farm.
20. Write the element of weather that helps in production of solar electricity.
21. Which element of PHC enables parents to prevent their children of eight years and below from acquiring poliomyelitis?
22. Give any one myths and misconceptions about family planning.
23. State any one importance of fats and oils in the body of human beings.
24. Apart from the erect stems, mention any one other type of plant stems.

The diagram below shows a precaution to road users. Study and use it to answer questions 25 and 26.



25. Give the importance of such information to drivers.
26. Apart from the precaution above, give one other measure that can help to control road traffic accidents.
27. Where does respiration take place in the body of humans?
28. State the importance of body immunity to a person.

29. How does sleeping in proper ventilated houses control the spread of diseases in people?

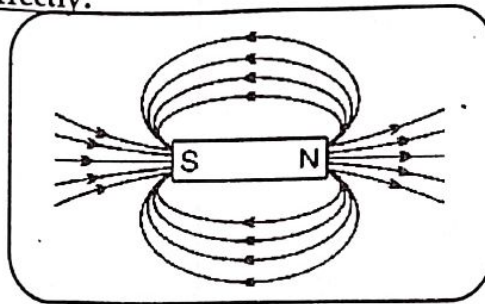
30. State one way in which passion fruit plants benefit from a mango tree growing near it in the same garden.

31. Give any one similarity between echoes and images in terms of formation.

32. Give one reason why the inside part of a lens camera is painted with black.

33. How are Irish potatoes propagated?

The diagram below shows a property of magnets. Study and use it to answer question 34 correctly.



34. Which property of magnets is shown in the diagram above?

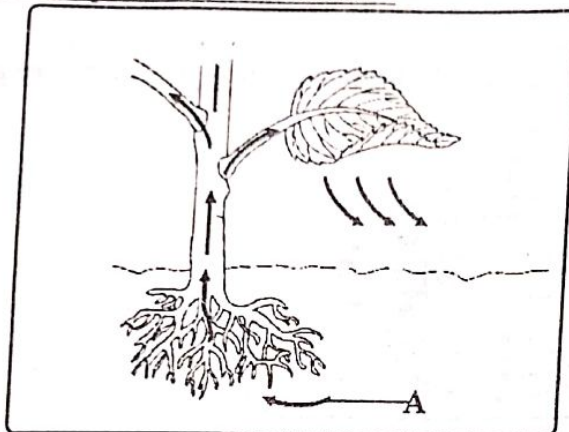
35. State any one condition that can lead to the rotting of the preserved cassava in the store.

36. Give one reason why a person who has been bitten by a snake is not allowed to walk before getting first aid.

37. Give the meaning of natural insemination.
38. Name the type of mosquito that lies at an angle of 45° on the ground while at rest.
39. Give any one way of managing sunny weather.
40. Name the part of the human ear that changes sound vibrations into nerve signals.

Section B (60 Marks)

41. The diagram below shows an example of a flowering plant. Study and use it to answer questions that follow.



- (a) Name the process represented by arrow A on the diagram above.
- (b) Give one importance of the process named in (a) above to a plant.
- (c) Write down two plant materials transported through the process named in (a) above.
- (i)
- (ii)

42. (a) Give the meaning of energy resources.

(b) Give two ways how animals are used as energy resources.

(i) _____

(ii) _____

(c) Give one way of conserving animals as resources in the environment.

43. (a) State the two ways of reducing friction in machines.

(i) _____

(ii) _____

(b) Give two ways how putting of treads on car tyres helps to increase friction.

(i) _____

(ii) _____

44. (a) Name any one insect that undergoes;

(i) Incomplete life cycle : _____

(ii) Complete life cycle : _____

(b) State any one way how insects help in formation of soil.

(c) How do insects multiply in the environment?

45. (a) Why do children need more protein foods than adults?

(b) State any two signs and symptoms of kwashiorkor.

(i) _____

(ii) _____

(c) How does drought lead to malnutrition in human beings?

46. (a) Why do some farmers keep Saanen goats?

(b) Which type of goats are kept from mohair?

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(d) State any two importance of docking sheep on a farm.

(i) _____

(ii) _____

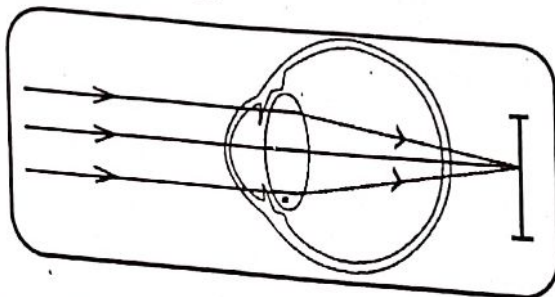
47. (a) Give any one difference between burns and scalds.

(b) Name the degree of burns which forms blisters on the body of a casualty.

(c) State the first aid for burns and scalds.

(d) How does the use of dry piece of cloth when lifting hot objects like saucepans help to prevent burns?

48. The diagram below shows an eye defect. Study and use it to answer questions that follow.



(a) Name the eye defect shown in the diagram above.

(b) How can the above eye defect be corrected?

(c) Give any two causes of the eye defect named in (a) above.

(i) _____

(ii) _____

49. (a) State two ways how heat transfer by conduction can be applied in our daily life?

(i) _____

(ii) _____

(b) How useful are chimneys on factory buildings?

(c) Give a reason why ventilators are put above windows on a living house.

50. (a) Mention the two raw materials plants need during photosynthesis?

(i) _____

(ii) _____

(b) How are cacti plants able to breathe?

(c) State the use of chlorophyll in plant leaves during photosynthesis.

51. (a) Apart from distillation, mention one other method of making alcohol.

(b) Give a reason why the delivery tube is always coiled in cold water when obtaining alcohol using distillation method.

(c) Mention the two physical processes which are involved in the distillation method of making alcohol.

(i) _____

(ii) _____

52. (a) Give two advantages of using artificial fertilizers in the garden.

(i) _____

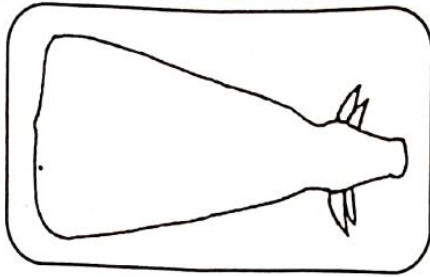
(ii) _____

(b) Give any two ways how harmful materials lower the quality of the soil.

(i) _____

(ii) _____

53. The diagram below shows the body shape of a type of cattle. Study and use it to answer the questions that follow.



- (a) Identify the type of cattle with the body shape shown in the diagram above.
- (b) Apart from the body shape, state two other characteristics of the type of cattle you have mentioned in (a) above.
- (i) _____
- (ii) _____
- (c) Write down any one edible product obtained from cattle.

54. Match the components of an electric circuit against their uses correctly.

(i) Switch	breaks the circuit in case of high voltage.
(ii) Dry cells	breaks the circuit at one's will.
(iii) Fuse	offers resistance to the current.
(iv) Resistor	sources of electricity.

- (i) Switch : _____
- (ii) Dry cells : _____
- (iii) Fuse : _____
- (iv) Resistor : _____

55. (a) State any two secondary sex characteristics which occur in both boys and girls.

- (i) _____
- (ii) _____

- (b) Write down two causes of teenage pregnancy.

- (i) _____
- (ii) _____