



THE PRIME EXAMINATIONS 2024

P.7 MAGIC SET V

INTEGRATED SCIENCE

Time allowed 2 hours 15 minutes

INDEX NO:

Candidate's Name:

Candidate's Signature:

District ID No.:



FOR WELL EXPLAINED LESSON
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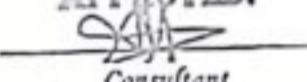
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READ THE FOLLOWING INSTRUCTIONS CAREFULLY

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.

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: -

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11. Give any one indicator of constipation in people.

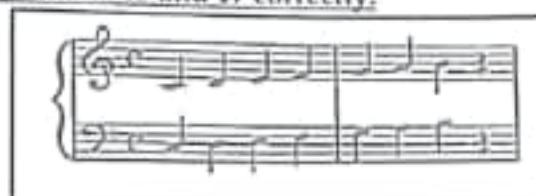
12. Name the immunisable disease worsened by smoking.

13. State what happens to the volume of a liquid when frozen.

14. Give any one way how white blood cells are useful in the body.

15. State one effect of too much rain on the plants.

The diagram below shows a way of storing music. Study and use it to answer questions 16 and 17 correctly.



16. Name the way of storing music shown in the diagram above.

17. Mention any one instrument that can be used to reproduce music stored as shown in the diagram above.

18. Give any one cause of dehydration in babies.

19. State any one way how adolescents can prevent sexual deviations.

20. Which form of electricity is generated by the help of steam from hot springs?

21. State one reason for mixing ORS in clean containers.

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Page 13
PTO



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Tools



Section A. (40 Marks)

1. Name any one vector that can result from poor personal hygiene.
2. State the energy change that takes place during the burning of paraffin in a lantern.
3. Which element of weather helps a crop farmer to dry his harvested sorghum?
4. Give any one effect of rusting of metallic garden tools to crop farmers.
5. Give one reason why earthworms come out of the soil immediately after raining.

The diagram below shows an infant suffering from a certain deficiency disease. Study and use it to answer questions 6 and 7 correctly.



6. Which deficiency disease is the above infant suffering?
7. Name the food value you would advise the parents to feed the infant shown in the diagram above.
8. Give any one way how air sacs are adapted to their function of carrying out gaseous exchange.
9. State the use of yeast in the process of fermentation of alcohol.
10. Name the component of a VIP latrine which traps flies to death.

11. Give any one indicator of constipation in people.

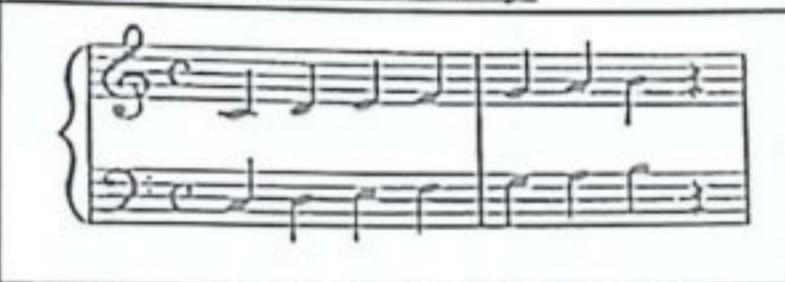
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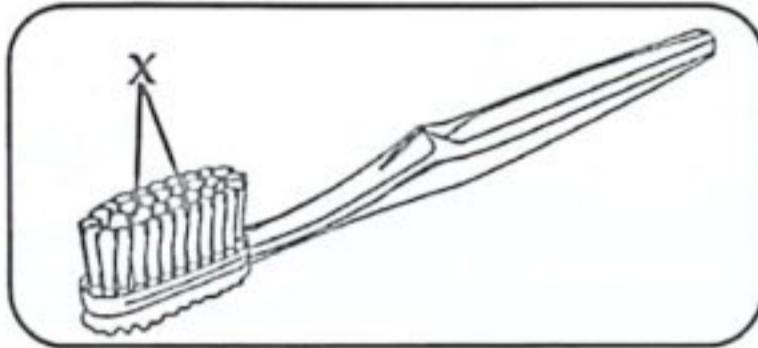
21. State one reason for mixing ORS in clean containers.

22. Give one reason why growth and development are regarded as biological changes.

23. Identify any one care that should be given to breastfeeding mothers.

24. State any one similarity between ferns and beans.

The diagram below shows an item used in promoting dental and oral hygiene. Study and use it to answer questions 25 and 26 correctly.



25. Name the item shown in the diagram above.

26. State the use of part X when promoting dental and oral hygiene.

27. What happens to the stomach during inspiration?

28. Name the type of germ that causes tetanus.

29. Apart from a clean kitchen, name one component of a clean home.

30. Give one reason why a nursery bed should be constructed near a water source.

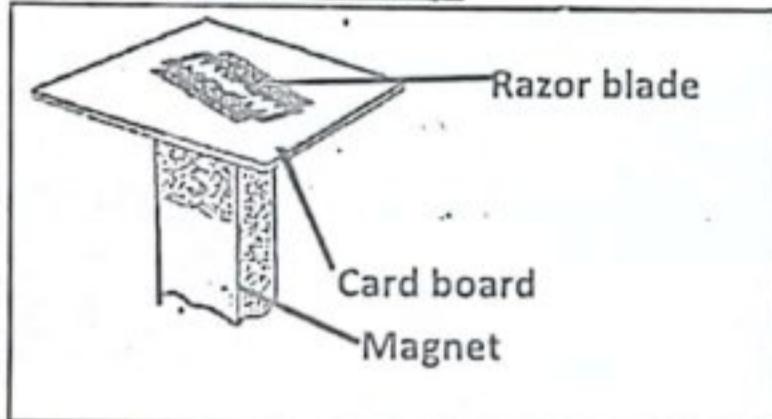
31. State any one use of honey to man.

32. Give any one reason why rabbit hutches are raised above the ground.

33. How useful is to dip the burnt part in clean cold water?

34. State any one danger of white flies on cassava plants.

The diagram below shows a property of magnets. Study and use it to answer questions 35 and 36 correctly.



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

36. How is the above property of magnetism applied in our daily life?

37. How does overstocking lead to soil erosion?

38. State any one way of conserving wood fuel in a home.

39. Name the only vein that transports oxygenated blood in the body.

40. Robert wanted to mix ORS locally and had the following items; salt, sugar, clean boiled water and a clean container. Identify the item he forgot to include in his list.

Section B(60 Marks)

41 (a) To which group of energy resources is water?

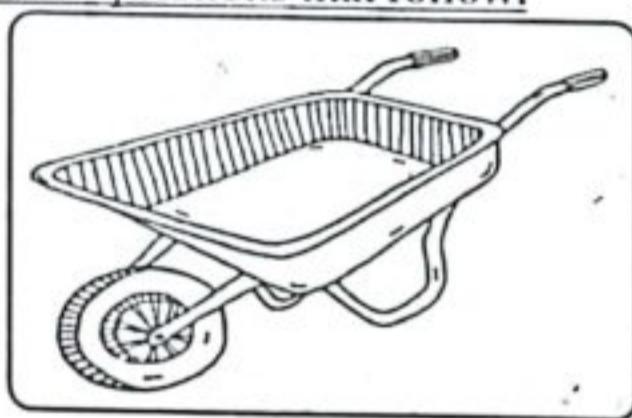
(b) Apart from tidal energy, mention two other energy resources obtained from water.

(i) _____

(ii) _____

(c) Which type of electricity is generated using fast flowing water?

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



(a) Identify the type of simple machines where the above machine belongs.

(b) How useful is the above simple machine to people?

(c) Give any one force that affects the efficiency of the simple machine shown above.

(d) How can people who use the above machine prevent it from rusting?

43 (a) Which type of fertilization do fish undergo?

(b) State the use of the following parts to a fish;

(i) Scale:

(ii) Tail fin.

(c) How is the swim bladder useful in the life of fish?

44 (a) Name the disease which results from deficiency of proteins in the body of infants.

(b) Give any two signs of protein deficiency disease in infants.

(i) _____

(ii) _____

(c) Mention any one example of a food crop rich in proteins.

45. The diagram below shows one of the steps taken when cleaning clothes.
Study and use it to answer questions that follow.



(a) Which step of cleaning clothes is shown in the diagram above?

(b) Give one way how the step shown above is necessary when cleaning clothes.

(c) Apart from the above, mention one other steps of cleaning clothes.

(d) How does cleaning of clothes promote personal hygiene?

46. (a) Give the meaning of the term first aid.

(b) State any two reasons for administering first aid to casualties.

(i) _____

(ii) _____

(c) How is a first aid box useful to a first aider?

47. Match the following diseases that affect cattle to their cause correctly.

<u>Disease</u>	<u>Cause</u>
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Nagana	bacteria.
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Anthrax	virus.
---------	--------

Pneumonia	protozoa.
-----------	-----------

Foot and mouth disease	bacteria/virus
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(i) Nagana : _____

(ii) Anthrax : _____

(iii) Pneumonia : _____

(iv) Foot and mouth disease : _____

48 (a) Name the type of leaves with one leaflet on the leaf stalk.

(b) Apart from transpiration, give any one important plant process that takes place in leaves.

(c) State two importance of transpiration to plants.

(i) _____

(ii) _____

49. (a) Why does a pencil put in a glass of clear water appear bent?

(b) Give any one effect of opaque objects on light.

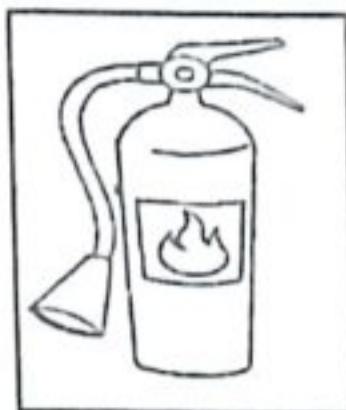
(c) State two ways how opaque objects are useful to human being.

(i) _____

(ii) _____

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50. The diagram below shows an equipment found in a school community. Study and use it to answer questions that follow.



- (a) Name the equipment shown in the diagram above.
-
- (b) State the use of the above equipment in a school community.
-
- (c) Give the reason why the above equipment is always put in an open place in a school.
-
- (d) Name the gas contained in the above equipment.
-
51. (a) Give one reason why clay soil is suitable for pottery.
-
- (b) State any two properties of clay soil.
- (i) _____
- (ii) _____
- (c) Give any one reason why clay soil is not good for growing crops.
-
52. (a) What are insulators as used in electricity?
-
- (b) Mention any two examples of electricity insulators.
- (i) _____
- (ii) _____
- (c) Give any one way how electric insulators prevent short circuits.
-

53. (a) State any two causes of teenage pregnancy.

(i) _____

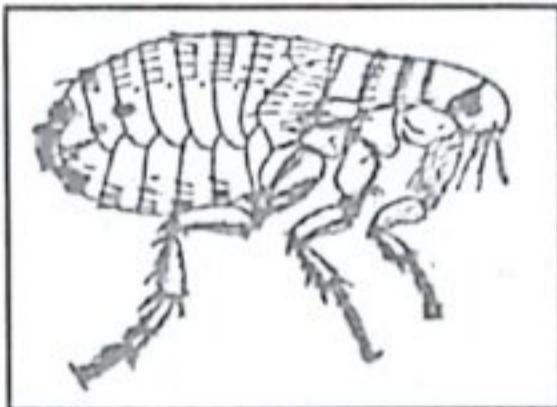
(ii) _____

(b) Give any two effects of teenage pregnancy.

(i) _____

(ii) _____

54. The diagram below shows a parasite in goats. Study and use it to answer questions that follow.



(a) Which type of parasite is shown in the diagram above?

(b) Give any one effect of the above parasite to goats.

(c) State any two ways of controlling the above parasite in goats.

(i) _____

(ii) _____

55. (a) Name the process that makes dew to disappear in the morning.

(b) In which state of matter does heat travels;

(i) fast: _____

(ii) fastest: _____

(c) Why can't heat pass through vacuum?
