



THE PRIME EXAMINATIONS 2024

P.7 MAGIC SET II

INTEGRATED SCIENCE

Time allowed 2 hours 15 minutes

INDEX NO:

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Candidate's Name:

Candidate's Signature:

District ID No.:



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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)

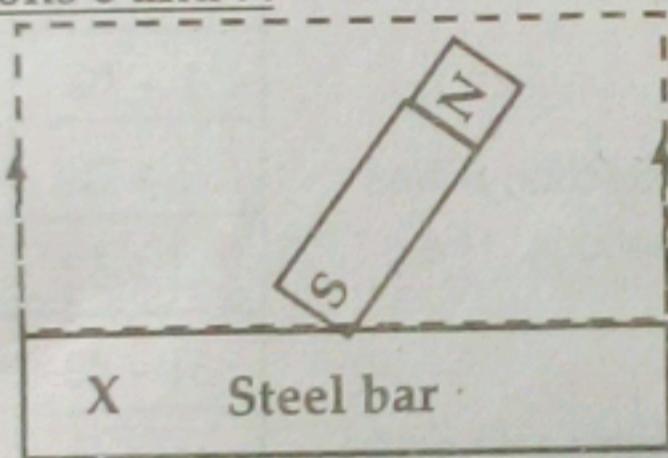
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THE PRIME; SCHEMING FRAME WORKS, PUPILS' WORKBOOKS, LESSON COURSE BOOKS,
HOLIDAY PACKAGES, LEARNING GAMES AND MORE...

Section A (40 Marks)

1. Name the part of a flowering plant used for reproduction
2. Give any one way how soil is useful to moles and squirrels.
3. Name one element of weather that causes scarcity of water in the environment.
4. State any one condition necessary for rusting to occur.
5. Apart from teenage pregnancy, give one other reason why you would advise a P.7 girl to abstain from sex.

The diagram below shows a method of magnetisation. Study and use it to answer questions 6 and 7.



6. Which method of magnetisation is shown in the diagram above?

7. Name the pole marked X as shown on the diagram above.

8. How are itch mites dangerous to human beings?

Give any one way how mulching helps to conserve soil moisture.

10. State one danger of covering left over food when still hot.

11. What role is played by hydrochloric acid in the stomach?

12. Give the meaning of drug prescription.

13. State any one difference between plants and animals in terms of feeding.

14. Which part of blood is responsible for transporting digested food and waste products in the body?

15. How is decaying matter useful to houseflies?

The diagram below shows a natural change in the environment. Study and use it to answer questions 16 and 17.



16. Give any one cause of the natural change shown in the diagram above.

17. State any one way of managing the natural change shown in the diagram above.

18. Give one reason why children are advised to acquire swimming skills.

19. State one danger of biting long fingernails using teeth.

20. State one advantage of using solar electricity for cooking food than using firewood.

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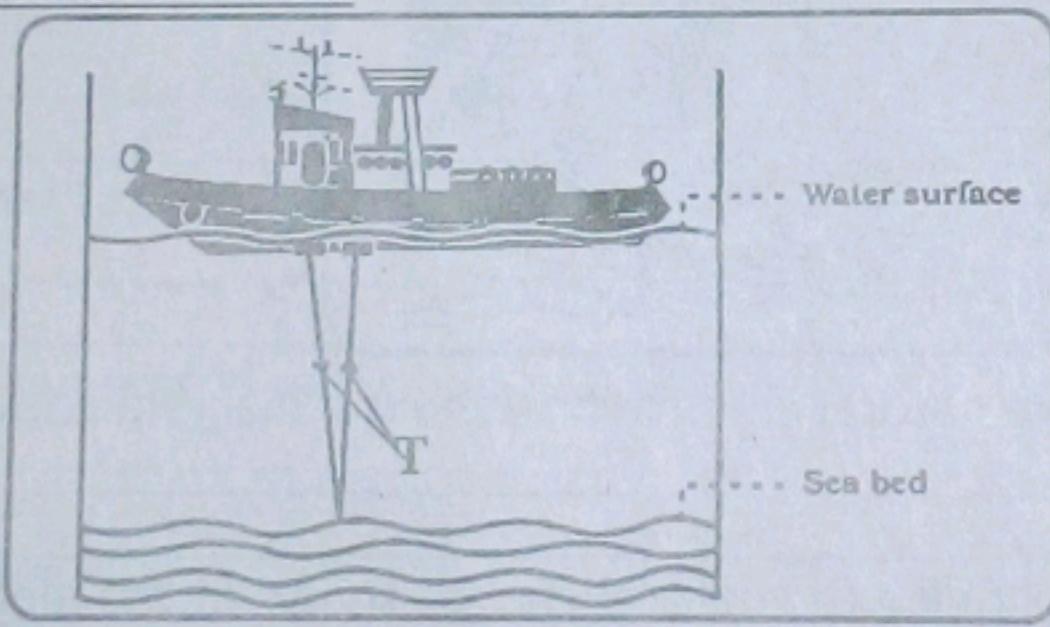
21. Which element of Primary Health Care is promoted by an individual through washing clothes?

22. State one disadvantage of tubal ligation as a permanent method of birth control.

23. What kind of feeding prevents a baby from acquiring HIV/AIDS from an infected mother?

24. Give one reason why immunization of children has different schedules.

The diagram below shows a boat on water. Study and use it to answer questions 25 and 26.



25. What name is given to sound marked T on the diagram above?

26. How is the sound named in (25) above useful to sailors?

27. Give one reason why it is not recommended for people to breathe through the mouth.

28. Which part of a tooth is made up of calcium and phosphorous?

29. How is a tourniquet useful when giving first aid for snake bites?

30. Give one advantage of timber seasoning.

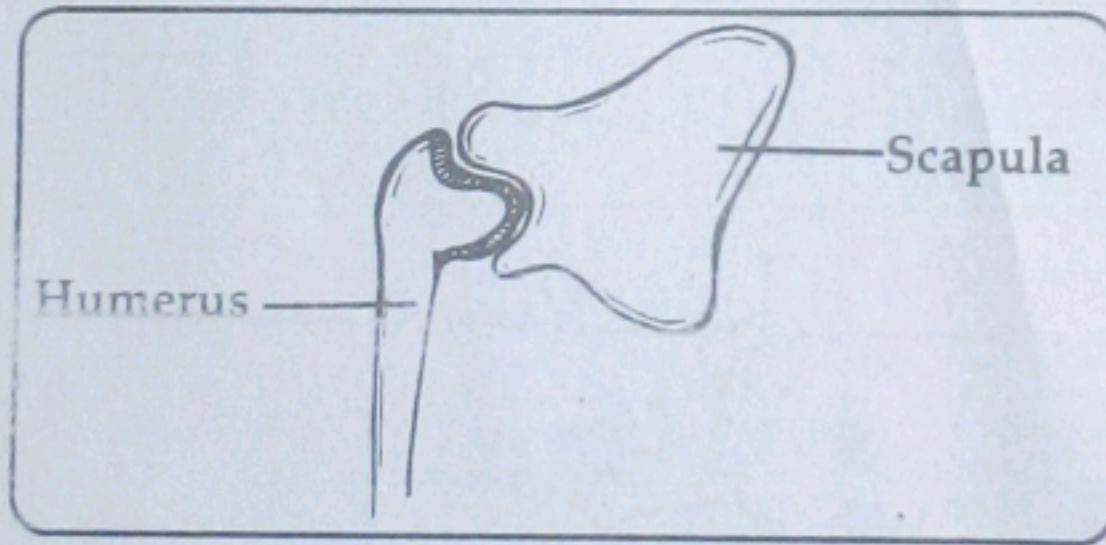
31. Which part of the modern bee hive prevents the queen bee from laying eggs in the honey chamber?

32. State one way of protecting domestic rabbits from harsh weather conditions.

33. Why are drugs kept in lockable places at home?

34. State one sign of coccidiosis in poultry.

The diagram below shows a movable joint. Study and use it to answer questions 35 and 36.



35. Name the type of movable joint shown above.

36. Mention any one part of the body where the above joint is found.

37. Give the reason why female anopheles mosquitoes feed on blood from people.

38. Give one health habit which helps to promote oral hygiene.

39. State the importance of clay lining on the charcoal saving stoves.

40. Give the reason why the ileum is long and coiled.

Section B (60 Marks)

41. (a) How is the process of ecdysis important in reptiles?

(b) State two characteristics of reptiles.

(i)

(ii)

(c) Give the importance of reptiles to leather industries.

42. (a) Which part of plants;

(i) fix them firmly into the soil : _____

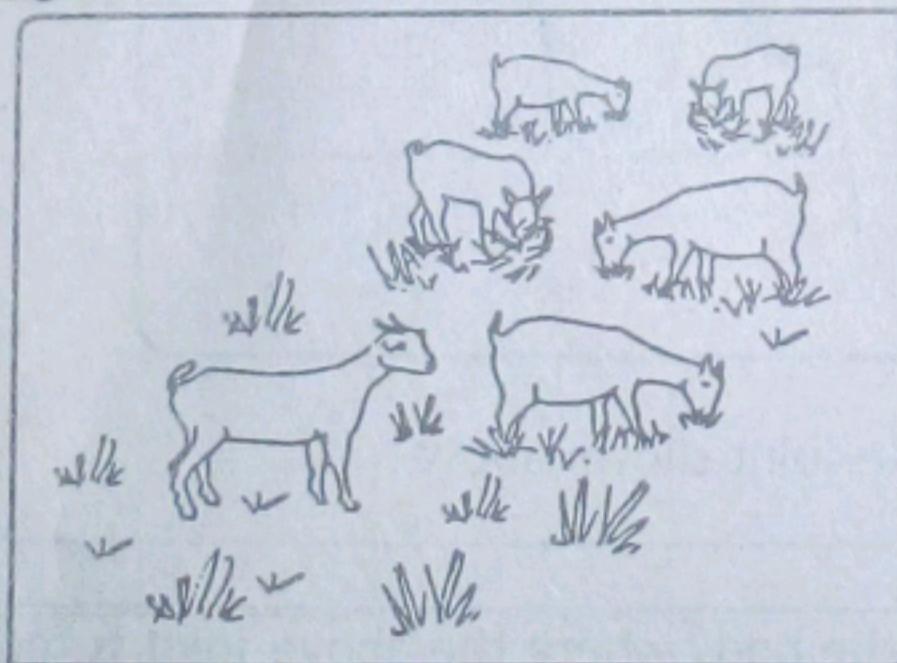
(ii) carry out photosynthesis : _____

(b) Give any two ways how plants support human survival in the environment.

(i)

(ii)

43. The diagram below shows a system of grazing goats. Study and use it to answer the questions that follow.



(a) Name the method of grazing goats shown in the diagram above.

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- (b) State two disadvantages of using the method of grazing goats named in (a) above to a farmer.
(i) _____
(ii) _____
- (c) Give all, one reason why farmers cull sick goats on a farm.

44. (a) State the reason why a diarrhoea victims usually become dehydrated.

(b) Why are dysentery victims advised to take plenty of hibiscus and beet root juice?

(c) Give two signs of dehydrated victim.

- (i) _____
(ii) _____

45. (a) Mention any two examples of living renewable energy resources in the environment.

- (i) _____
(ii) _____

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

- (i) _____
(ii) _____

46. Match the following foodstuffs to the deficiency diseases they prevent.

Deficiency disease

- (a) Kwashiorkor
(b) Marasmus
(c) Scurvy
(d) Night blindness

Food stuff

- carrots, green vegetables, mangoes
pawpaws, oranges, pineapples
cassava, rice, posho
meat, chicken, soya beans

(a) Kwashiorkor : _____

(b) Marasmus : _____

(c) Scurvy : _____

(d) Night blindness : _____

47. (a) State the condition caused due to inadequate oxygenated blood supply to the human brain.

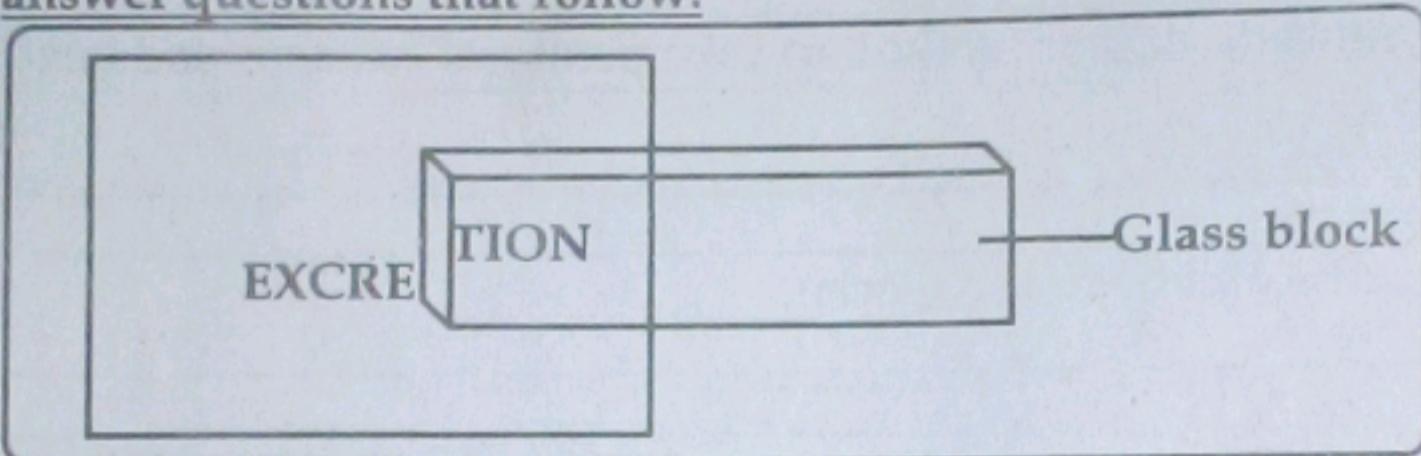
(b) Mention any two signs of the above condition.

(i)

(ii)

(c) Why should the person with the condition named in 47 (a) above put in an open space?

48. The experiment below was carried out by P.7 pupils. Study and use it to answer questions that follow.



(a) What does the experiment above prove about light?

(b) State the reason why letters placed under a glass block appear to be raised.

(c) What happens to a ray of light that moves from air to a glass block?

(d) Give a reason to support your answer in 48 (c) above.

49. (a) Write HIV in full.

(b) Give two antisocial behaviours which can lead to the spread of HIV.

(i)

(ii)

(c) State the best way how school going children can prevent the spread of HIV.

50. (a) State one function of the following parts of a foetus in the womb.
(i) placenta

(ii) umbilical cord

- (b) Give any two health habits that should be carried out by an expectant mother to promote the proper growth of the foetus.

(i) _____

(ii) _____

51. Mr. Tom is a crop farmer at Kigezi Village. In October this year, he wants to plant tomato seeds in a nursery bed. Describe how Mr. Tom can prepare a good nursery bed. (04 Marks)

52. (a) Which state of matter has the following characteristics;
(i) having definite shape and volume.

(ii) molecules can't be seen but can be felt and highly compressible

(b) Name the form of energy that leads to melting of ice.

(c) Identify the method used to separate iron pins mixed with flour.

53. (a) Mention one source of the following types of current electricity.
(i) direct current electricity

(ii) alternating current electricity

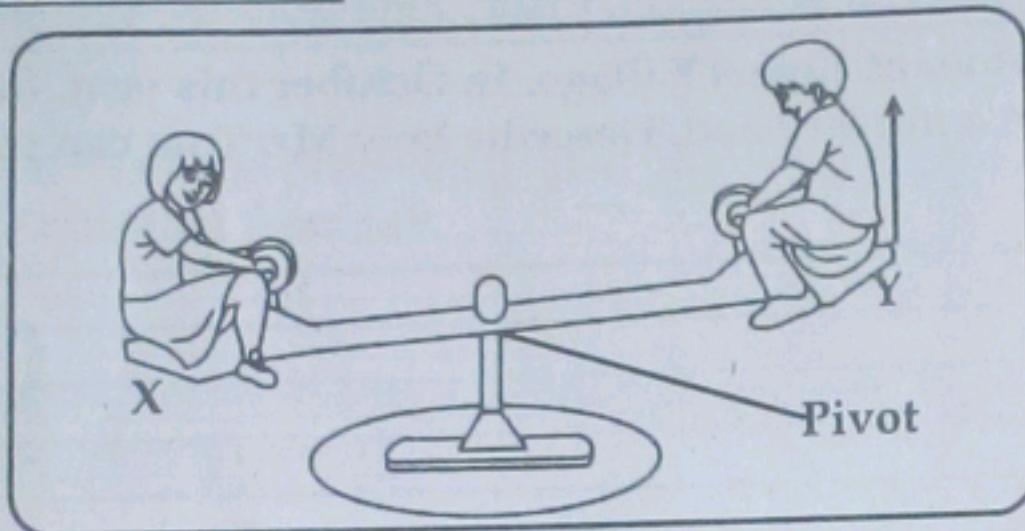
(b) Name the device used to increase or decrease the voltage in an electric circuit.

(c) Which form of current electricity is generated from fast flowing water?

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54. (a) Give any two ways of making filtered water safe for drinking.
(i) _____
(ii) _____
(b) State one danger of washing clothes in water sources.

(c) Give one way of protecting animals from contaminating water sources.

55. The diagram below shows a simple machine. Study and use it to answer questions that follow.



- (a) Name the simple machine shown above.

- (b) Give one force that affects the efficiency of the simple machine above.

- (c) Apart from the above, mention one other simple machine that belongs to the same group.

- (d) Use an arrow to indicate the direction moved by effort.

REVISION TIP

Developing critical thinking skills.



Candidates should be able to critically think about different questions majorly of comprehension and application before answering them.