

THE PRIME MAGIC PRE-PLATE TRIAL SET
INTEGRATED SCIENCE

Time allowed 2 hours 15 minutes

[illegible]

Candidate's Name:

Candidate's Signature:

Candidate's School:

District Name:

READ THE FOLLOWING INSTRUCTIONS CAREFULLY

1. The paper consists of **two** sections: **A** and **B**
Section A has **40** questions (**40 Marks**) **Section B** has **15** questions (**60 Marks**)

2. Answer ALL questions. All answers in both sections A and B must be written in the spaces provided.

3. All answers must be written using blue or black Ball point pen or ink. Any work written in pencil other than arrows and diagrams will not be marked

4. Unnecessary changes of work may lead to loss of marks.

5. Any handwriting, that cannot easily be read, may lead to **loss** of marks.

6. Do not fill anything in the boxes indicated "FOR EXAMINERS' USE ONLY".

Organised by:

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Kampala

PUBLISHERS OF:-

THE PRIME; SCHEMING FRAMEWORK, TOPICAL BOOKS, MATCHING BOOKS, SHADING BOOKS, HOLIDAY PACKAGES, PUPILS' WORKBOOKS AND LEARNING GAMES.

FOR EXAMINERS' USE ONLY		
QUESTION NUMBER	MARKS ATTAINED	IN
1 - 10		
11 - 20		
21 - 30		
31 - 40		
41 - 43		
44 - 46		
47 - 49		
50 - 52		
53 - 55		
TOTAL		

APPROVED:

Consultant

Integrated Science Department (PE)

Turn On

19. Name the weather instrument shown in the diagram above.

20. How is the above instrument important at a weather station?

21. Write down any one method of planting crops.

22. Which type of root system do dicotyledonous plants have?

23. Why do poultry farmers rear broilers?

24. How is smoke useful when harvesting honey?

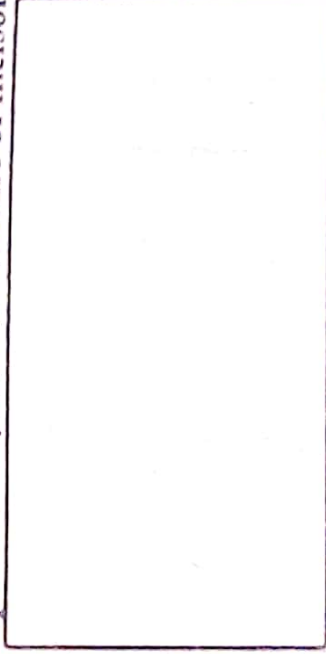
25. Identify any one example of a climbing bird.

26. Why is the earth regarded as a natural magnet?

27. How can one correct short sightedness in man?

28. Give any one reason why some plants climb others.

29. In the space below, draw a structure of incisor teeth.



10. To which group of invertebrates does the above living organism belong?

11. Which element of PHC encourages pregnant mothers to visit health centre for ante-natal and post-natal care?

12. Name the disease of respiratory system that has the same signs like AIDS in human beings.

13. In which way do animals contribute to the process of photosynthesis in plants?

14. Give any one reason why farmers carry out thinning in plants.

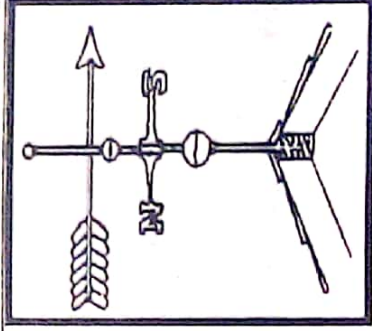
15. Name the safest place for school going children to cross busy roads from.

16. State the principle of light on which the pin hole camera works.

17. Which type of stem do bulbs have?

18. Name the childhood immunisable disease that damages the liver.

Use the weather instrument drawn below to answer questions 19 and 20



Section A (40 Marks)

1. Give any one example of a storage pest.

2. State the importance of the human heart in the body.

3. State the reason why essential drugs should be kept in a properly sealed container.

Why are legumes involved in crop rotation as a modern method of growing crops?

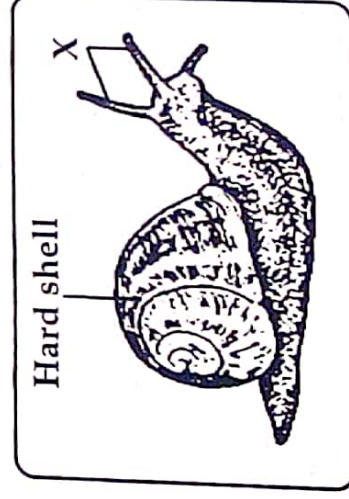
Give any one reason people give for abusing drugs.

Why is carbon dioxide gas used in fire extinguishers?

Which organ regulates blood sugar in the body?

What happens to the size of a nail when heated by fire to red hotness?

Use the structure of a living organ drawn below to answer questions 9 and 10.



How is part marked X of important to the living organism drawn above?

30. State any one reason why people trim their finger nails short.

31. Mention any one method of how soil is formed.

32. Apart from Irish potatoes, give one other example of a stem tuber.

33. Give any one sign of kwashiorkor in infants.

34. How does an inclined plane as a machine simplify work?

35. Name the water borne disease spread by a fresh water snail.

36. Which health habit is carried out after visiting a toilet?

37. Give any one example of a sexual deviation.

38. State any one suitable life style that can promote good health in an individual.

39. Mention any one source of food in the environment.

40. How do coniferous plants reproduce?

Section B (60 Marks)

41. (a) Which body organ is responsible for thinking and reasoning in humans?

(b) Mention any one bad health habit that damages the organ above.

(c) In which two ways can one care for the body organ mentioned in (a) above?

(i) _____

(ii) _____

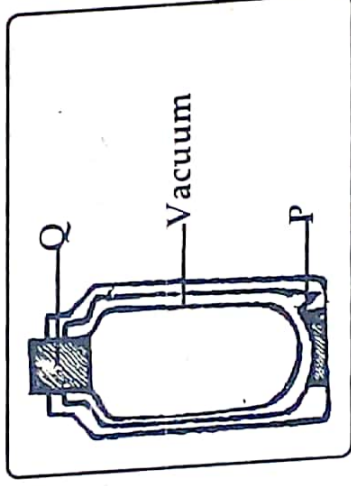
2. (a) In which way do hook worms enter into our bodies?

(b) State any one way of preventing hook worm infestation in humans.

(c) Apart from hook worms, mention any other two examples of intestinal worms.

(i) _____ (ii) _____

43. Use the structure below to answer questions that follow.



(a) Name the parts marked Q and P.

(i) Q: _____

(ii) P: _____

(b) How is part marked Q able to prevent heat loss and gain by conduct

(c) How is the structure drawn above of important to the user?

44. (a) Name the main source of energy in the environment.

(b) How is the above source of energy important in a water cycle?

(c) Identify any one way of preventing near drowning.

8. (a) Give any two importance of proteins in the body.

(i) _____

(ii) _____

(b) Mention any two food stuffs that are rich in proteins.

(i) _____

(ii) _____

49. Study the table careful and complete it correctly.

Immunisable disease	Vaccine administered against
Polio	(a) _____
(b) _____	BCG vaccine
Diphtheria	(c) _____
(d) _____	Measles vaccine

50. (a) Besides white blood cells, mention two other constituents of blood.

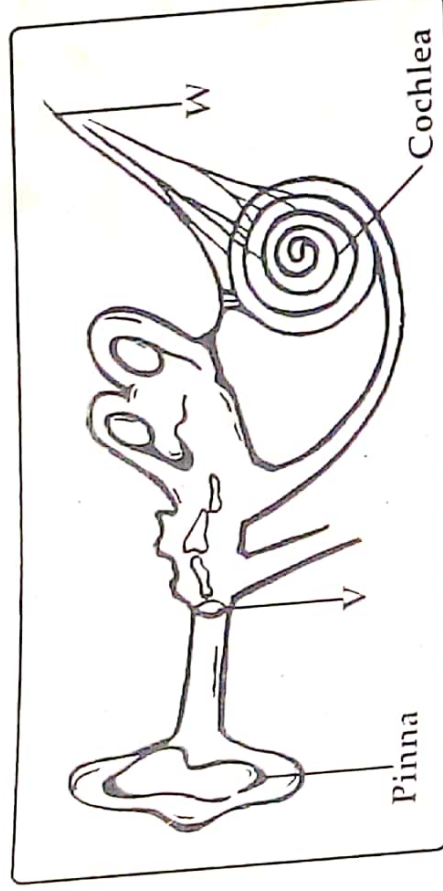
(i) _____

(ii) _____

(b) How are white blood cells important in the body?

(c) Name the disease that attacks white blood cells.

Use the structure of the human ear below to answer the questions that follow.



(a) Name the parts marked V and W.

(i) V: _____ (ii) W: _____

(b) Apart from hearing, give one other importance of the human ear.

(c) State the function of a cochlea in the human ear.

(a) Identify the two examples of antagonistic muscles in the body.

(i) _____

(ii) _____

(b) Why are the above muscles regarded as antagonistic muscles?

(c) How are the muscles of the eye important to man?

53. (a) Identify the diarrhoeal disease characterised by blood stains in the stools.

(b) Name the vector that spreads the above mentioned disease.

(c) In which two ways can one prevent the spread of the disease mentioned in (a) above?

(i) _____

(ii) _____

54. (a) State two advantages of breast feeding to a baby.

(i) _____

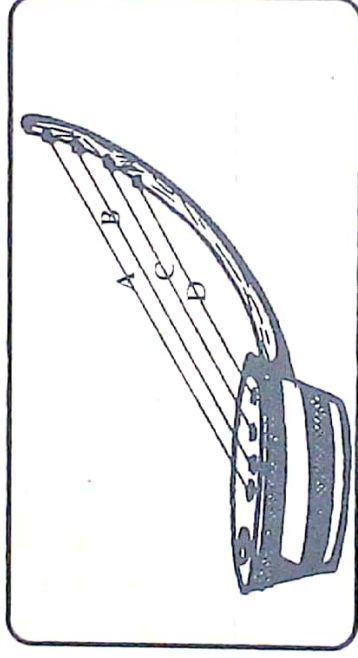
(ii) _____

(b) Write down two disadvantages of breast feeding to the baby.

(i) _____

(ii) _____

55. Study the structure below and answer the questions that follow.



(a) To which group of musical instrument does the above instrument

(b) Which string produces the highest pitch of sound?

(c) How can one increase on the pitch of sound in the above drawn instrument?

(d) Apart from the above, give one other example of an instrument that belongs to the above mentioned group in (a)



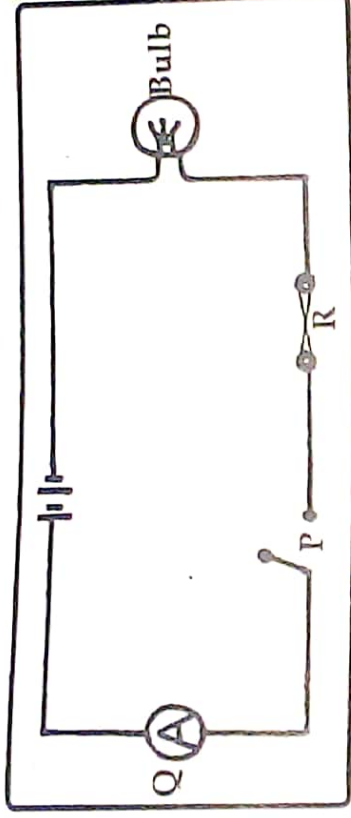
REVISION TIP

Guide learners to select their questions of challenge from sections I, II, and III and discuss the correct responses in groups of four.

- (c) Apart from the above mentioned resource in (a) give two other examples of renewable resources in the environment.

(i) _____
(ii) _____

45. Below is an electric circuit, use it to answer questions that follow.



(a) Name the parts marked Q and R.

(i) Q: _____ (ii) R: _____

(b) What will happen to the bulb when P is closed?

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

46. (a) Which type of digestion involves the use of enzymes?

(b) Give the importance of saliva in the process of digestion.

(c) Apart from indigestion, give two other digestive disorders.

(i) _____
(ii) _____

47. (a) State two places where near drowning can easily occur.

(i) _____
(ii) _____

(b) Write the first aid for near drowning.