

THE SIPRO MID-MARCH EXAMINATIONS - 2023

PRIMARY SEVEN INTEGRATED SCIENCE

Time Allowed: 2 Hours 15 Minutes

Random No.										Personal No.									

Index No. _____

Candidate's Name: _____

Candidate's Signature: _____

District: _____

READ THE FOLLOWING INSTRUCTIONS CAREFULLY:

1. This paper has two sections: A and B.
2. Section A has 40 questions (40 Marks).
3. Section B has 15 questions (60 Marks).
4. Attempt all questions in both sections. All answers to both sections A and B must be written in the spaces provided.
5. All answers must be written in blue or black ball point pens or ink. Only diagrams and graph work must be done in pencil.
6. Unnecessary alteration of work will lead to loss of marks.
7. Any handwriting that cannot be easily read may lead to loss of marks.
8. Do not fill anything in the boxes indicated: "FOR EXAMINER'S USE ONLY"

For Examiner's Use Only;

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SECTION A: 40 MARKS

Questions 1 to 40 carry one mark each.

1. Name **one** group of living things that carries out decomposition of organic matter.

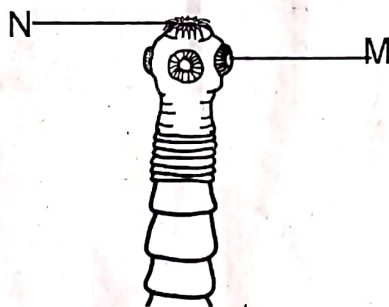
2. State the method of heat transfer that enables clothes on a wire lining to dry.

3. Give **one** reason why people preserve food.

4. Apart from decantation, name **one** other method of obtaining clean water from dirty water.

5. Which property of air enables a crop farmer to spray pesticides on crops?

The diagram below shows part of a tapeworm. Study and use it to answer question 6.



6. How is the function of part labelled with letter **M** similar to that of part labelled with letter **N** ?

7. Name the immovable joints found in the skull.

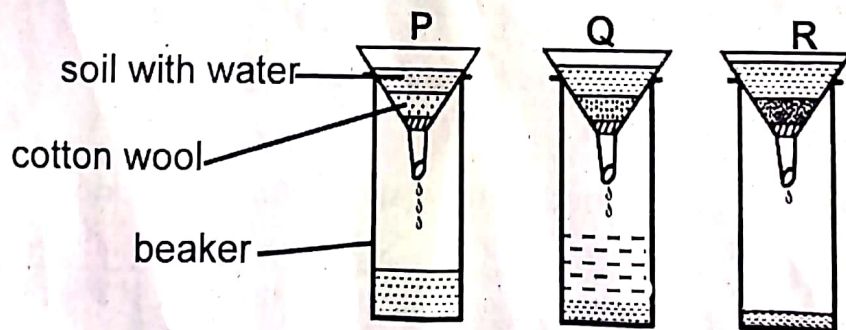
8. Give **one** way of reducing drug dependency among the youths.

9. Why is it a good practice to groom fingernails regularly?



10. State any **one** function of kidneys in the human body.
-
11. Write down **one** way of improving the productivity of local breeds of chicken on a poultry farm.
-
12. Mention **one** characteristic of monocotyledonous plants.
-
13. What term is used to mean the process by which organisms bear young ones?
-
14. Name the class of food that is chemically digested in the stomach.
-
15. Give **one** factor that affects the rate of drying of washed clothes.
-

The diagram below shows an experiment about soil performed by a Primary Seven class. Study and use it to answer question 16.



16. Give a reason why the beaker marked with letter **Q** had more water collected after some time.
-
17. Which type of muscles allows automatic movement in the skeletal-muscular system?
-



18. Which kind of objects require the displacement method for finding their volume?

19. Why is a pig sty made with a slanting floor during construction?

20. In which part of the female reproductive system does conception take place?

21. Give **one** way of managing floods in an area.

22. Name **one** communicable disease that spreads due to poor sanitation in a community.

23. How do bats benefit from reflected sound in the environment?

The diagram below shows a long bone. Study and use it to answer questions 24 and 25.



24. Name the part marked with letter **M** on the diagram.

25. Mention **one** part of the body where such a bone is found.

26. In which units is rainfall measured?

27. State the importance of the septum in the heart.

28. How is the sticky tongue useful to a chameleon?

29. Give **one** role of a family in promoting Primary Health Care.

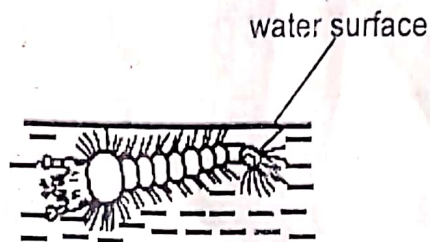


30. Why do elderly people need plenty of proteins in their bodies?

31. Mention any **one** way the circulatory system benefits from the skeletal muscular system.

32. Give the reason why an athlete in a race breathes fast.

The diagram below shows a larva stage of a mosquito. Study and use it to answer question 33.



33. Name the disease spread by the mosquito whose larva stage is shown in the above diagram.

34. Mention **one** delicate organ in the human body protected by the skull.

35. Apart from Merino, mention **one** other exotic breed of sheep kept for wool.

36. Give **one** way of preventing contamination of milk during the milking process.

37. How is the sorting process useful during the cleaning of clothes?

38. State any **one** first aid given to someone who has lost consciousness.

39. State the function of root hairs to plants.

40. Give **one** way of conserving minerals as non-renewable resources.



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P.7 INTEGRATED SCIENCE MID-MARCH TERM ONE EXAMINATION - 2023

IGNITE CRITICAL THINKING AND EXPERIENCE ACTUAL LEARNING WITH THE ACTIVITY BOOKS, SEMAS, TR'S GUIDES AND PUPIL'S COMPANIONS.



SECTION B: 60 MARKS

Questions 41 to 55 carry four marks each.

41. a) Write **two** examples of useful bacteria in the environment.

i) _____

iii) _____

b) Mention **two** conditions necessary for bacteria to breed.

i) _____

ii) _____

42. a) Give the meaning of the term respiration.

b) Where does respiration take place in the human body?

c) How is oxygen useful in the process of respiration?

d) Briefly explain what happens to one's diaphragm during inhalation.

43. a) Write **two** effects of too much rainfall in the environment.

i) _____

ii) _____

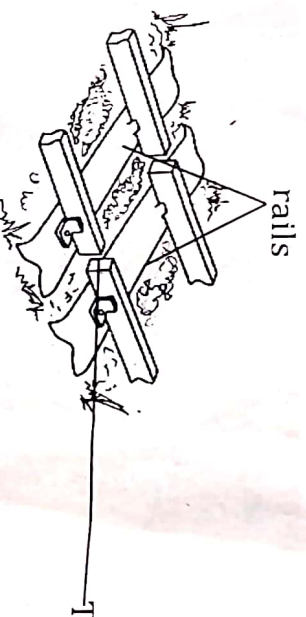
b) Mention any **two** ways of managing the effects caused by too much rainfall in the environment.

i) _____

ii) _____



44. The diagram below shows rails arranged on a railway line. Study and use it to answer the questions that follow.



a) How do the rails in the diagram receive heat from the sun?

b) State the importance of the gaps labelled T in the diagram.

c) Why do gaps marked T appear bigger during cold weather?

d) State **one** thing that would happen during a hot day if gaps marked T had not been left in a railway line.

45. a) Give any **two** examples of modern beehives.

i) _____

ii) _____

b) Write down **two** advantages of using modern beehives when keeping honey bees.

i) _____

ii) _____

46. a) What is the recommended distance between a pit latrine and a;

i) water source? _____

ii) kitchen? _____

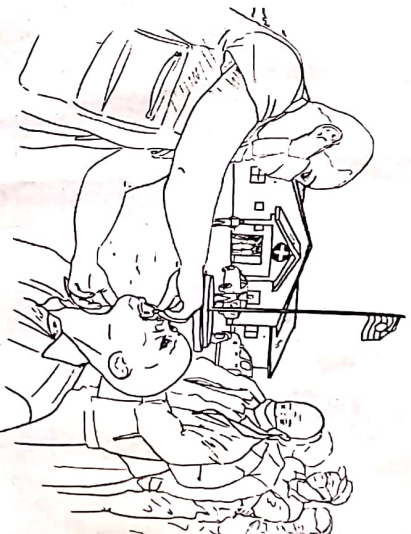
b) Give **two** ways of reducing houseflies in an ordinary pitlatrine.

i) _____

ii) _____

47. The diagram below shows a method of administering a vaccine.

Study and use it to answer the questions that follow.



a) Name the method of administering vaccines shown in the diagram above.

b) Mention any **two** vaccines administered to babies through the above

method.

i) _____

ii) _____

c) How does administering of vaccines to babies protect them from immunisable diseases?

48.a) Apart from plants, give **two** other examples of renewable resources in the environment.

i) _____

ii) _____

b) By what process are plants replaced as renewable resources?

c) Write **one** activity done by people to conserve plants in the environment.



49. a) Apart from milk teeth, name the other set of teeth.

b) Which type of teeth is not present in the milk set of teeth?

c) Mention any **two** diseases of the teeth.

i) _____

ii) _____

50. a) Write down **two** functions of muscles in the human body.

i) _____

ii) _____

b) How are muscles joined to bones in the human body?

c) Write **one** disorder of muscles in the human body.

51. The table below shows parts of the digestive system and the enzymes present. Complete it correctly.

Part of digestive system	Enzyme	Digestive juice
a) _____	ptyalin (salivary amylase)	b) _____
stomach.	c) _____	gastric juice
duodenum	lipase	d) _____

52. a) Mention any **two** examples of diseases spread to cattle by ticks.

i) _____

ii) _____

b) State **two** activities that a farmer can carry out to control ticks on a cattle farm.

i) _____

ii) _____



53. a) Apart from preventing contracting HIV/AIDS, give any **one** other importance of PLASCY messages to school children.

b) Give **one** example of a PLASCY message that prevents contracting HIV/AIDS commonly found in schools.

c) Mention **two** examples of life styles that lead to the spread of HIV/AIDS in the community.

i) _____

ii) _____

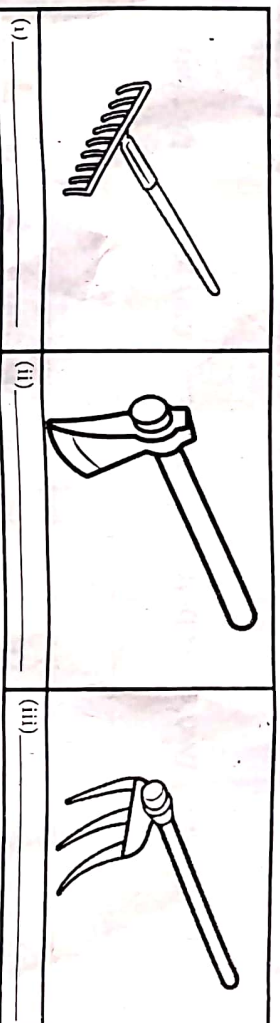
54. a) Name the natural habitat for an earthworm.

b) How do earthworms behave when it rains heavily?

c) Name **one** animal which lives in the same habitat as an earthworm.

d) Why does an earthworm die when cooking oil has been poured on its body?

55. a) Write the name of each of the following garden tools drawn below.



b) State **one** way of preventing garden tools from rusting.

