

THE SIPRO P.7 PRE-MOCK 2024

INTEGRATED SCIENCE

Time Allowed: 2 Hours (120 Minutes)

Index No.

| Random No. | Personal No. |
|------------|--------------|
| | |

Candidate's Name: _____

Candidate's signature: _____

School Random No. _____

District ID: _____

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:

| Qn No. | MARKS | INITIALS |
|---------|-------|----------|
| 1 - 10 | | |
| 11 - 20 | | |
| 21 - 30 | | |
| 31 - 40 | | |
| 41 - 43 | | |
| 44 - 46 | | |
| 47 - 49 | | |
| 50 - 52 | | |
| 53 - 55 | | |
| Total | | |

Please turn over

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SECTION A: 40 MARKS

Questions 1 to 40 carry one mark each.

1. Name the body sense which helps a P7 candidate to identify a diagram on a paper.

2. Apart from practising crop rotation, state any one other way of controlling crop diseases.

In which one way does sunshine contribute to the proper growth of crops?

3. What is the importance of giving an upward push on the belly of a person who has been choked?

4. Give the difference between fish and reptiles in the way they reproduce.

The diagram below shows a practice on a cattle farm. Study and use it to answer questions 6 and 7.



6. Name the farm practice shown in the diagram.
7. How useful is the practice drawn above on a cattle farm?
8. Name the excretory organ that balances the amount of water and mineral salts in the body.
9. Mention any one difference between tapeworms and hookworms in the way they feed.



10. State any **one** reason why families are encouraged to have enough food.

11. How does a first aider ensure that a broken bone does not pierce the surrounding flesh?

12. What can be done to the handles of a cooking pan in order to prevent the user's hands from being burnt?

13. Give a reason why an alcoholic may lose body balance.

14. How does wringing speed up the drying process of clothes?

15. Mention any **one** natural cause of food shortage in our community.

16. State the role of a slasher in the control of the spread of malaria.

The diagram below shows a kerosene lamp. Study and use it to answer questions 17 and 18.



17. Give the function of the holes marked with letter T.

18. Which process enables movement of paraffin from part R up through the wick?

19. How does drought affect the generation of hydroelectricity?

20. State any **one** danger of charcoal making to the environment.



21. In which **one** way is the formation of a shadow similar to that of an echo?

22. How are worker bees able to regulate the temperature in a hive?

23. Why should sacks of cassava flour be placed on raised stands during storage?

24. Name the group of simple machines that enables a school cook to split firewood.

25. What advice can you give to people working in a dusty environment so as to protect their respiratory systems?

26. State any **one** way in which some flowers are adapted to insect pollination.

27. Which characteristic of living things enables a millipede to coil when touched?

28. How does the length of a string affect the pitch of sound produced by a bow-harp?

29. How is the skeleton in a water snail different from that in a cockroach?

30. State any **one** way of keeping hair on the head in a good condition.

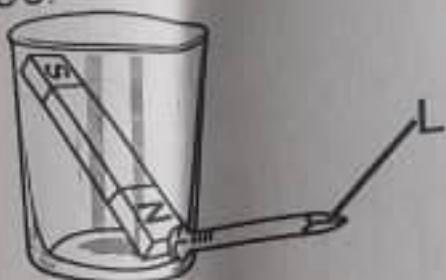
31. Which garden tool helps crop farmers to spray pesticides on the crops?

32. Give any **one** way in which debeaking controls egg eating among poultry.

33. State any **one** danger of eating food that has gone bad.

34. What shows that light travels faster than sound when it is raining heavily?

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



35. How does the nail get magnetised?

36. Identify the pole marked with letter L.

37. Why are the joints in the skull regarded as suture?

38. Give one advantage of propping a pawpaw plant.

39. State any one role of the young farmers' club in a school.

40. Why does a person suffering from malaria become anaemic?



SECTION B: 60 MARKS

Questions 41 to 55 carry four marks each

41. Which step in cleaning clothes helps to;

a) i) prevent the transfer of dirt and dyes to other clothes?

ii) dissolve and make dirt loose?

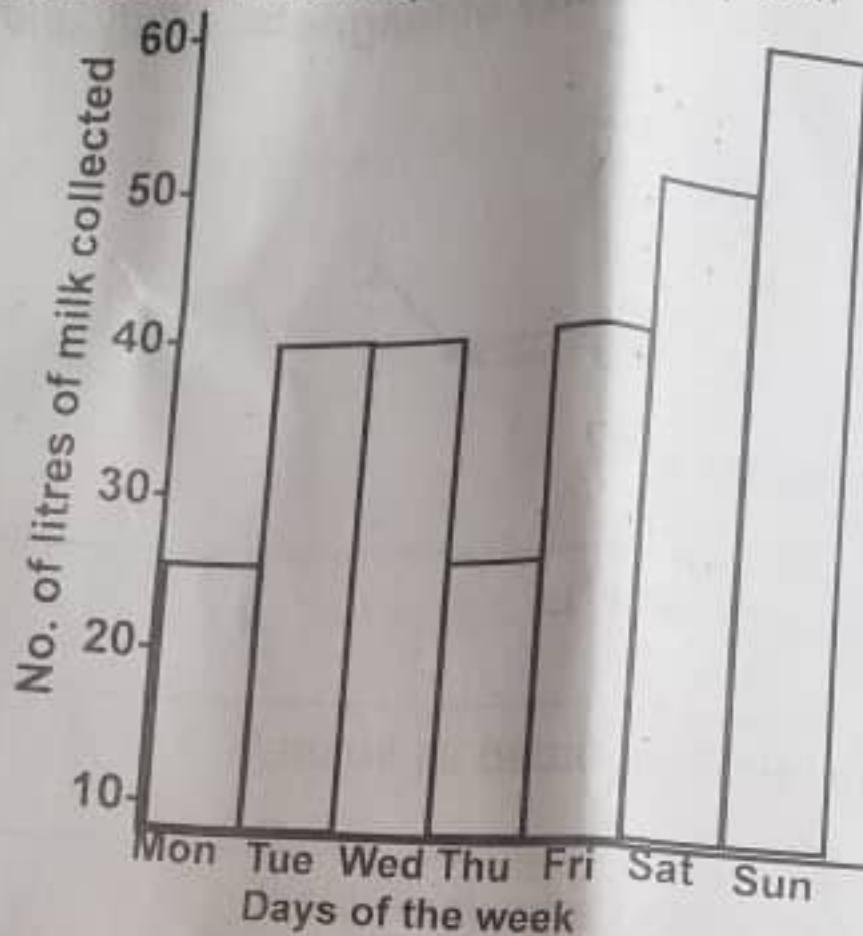
b) Write any two advantages of washing clothes using a machine over using hands.

i) _____

ii) _____



42. The graph below shows a farm record on Mukasa's cattle farm. Study and use it to answer the questions that follow.



- Name the type of farm record shown in the graph above.
- Which type of cattle does Mukasa rear on his farm?
- State any one possible cause of a drop in the amount of milk collected on Thursday.
- Write any one cattle disease that lowers the quality of milk produced by cows.

43.a) How does leaching reduce soil fertility?

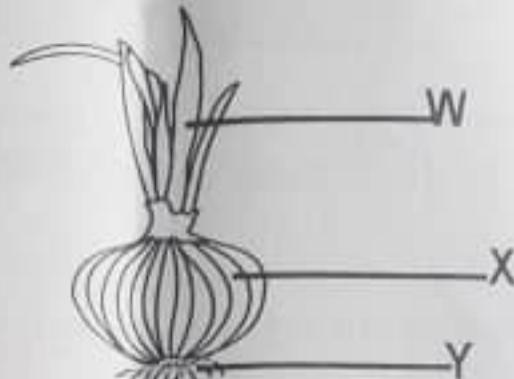
b) Apart from leaching, give any one other cause of soil infertility.

c) State any two practices that can improve soil fertility.

i)

ii)

44. The diagram below is of an onion plant. Study and use it to answer the questions that follow.



a) Name the parts labelled with letters W and Y.

i) W _____

ii) Y _____

b) State the function of part marked with letter X to an onion plant.

c) How is the above plant vegetatively propagated?

45. a) Mention any two examples of harmful fungi.

i) _____

ii) _____

b) In which two ways are harmful fungi dangerous in our daily lives?

i) _____

ii) _____

46. The sentences below are stages in the germination of a bean seed, in a wrong order. Rearrange the sentences in their correct order of germination.

Wrong order

i) The radicle comes out first and grows downwards.

ii) The testa becomes soft and bursts to let out the radicle.

iii) The plumule also comes out and grows upwards above the soil level.

iv) The seed in the soil absorbs water and swells.

i) _____

ii) _____

iii) _____

iv) _____

47.a) State the difference between a sprain and a strain.

b) Mention any **one** activity that may result into strains.

c) Give any **two** health habits which can keep your muscles and bones healthy.

i)

ii)

48. The diagram below is of a fish. Study and use it to answer the questions that follow.



a) Name the organ covered and protected by part marked with letter A.

b) How does a fish benefit from part marked with letter B?

c) In which **one** way is the above animal able to live in water?

d) Using an arrow and letter P, label the part that plays a similar role as the tongue in human beings.

49.a) What do you understand by the term weaning in babies?

b) Why are breastfeeding mothers advised to wean the babies at the age of six months?

52. a) Write any two functions of the following parts of an insect;

- i) halteres _____
ii) ovipositor _____

b) Mention any two dangers caused by some insects to farmers' crops.

- i) _____
ii) _____

53. a) Name the type of reflection that leads to formation of clear images. _____

b) Mention any one surface where the reflection named above occurs. _____

c) Write any two uses of reflection in our daily life.

- i) _____
ii) _____

54. The table below shows vectors and diseases they spread. Complete it correctly.

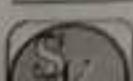
| vector | disease |
|---------------------------|-----------------|
| female anopheles mosquito | i) _____ |
| ii) _____ | river blindness |
| iii) _____ | bubonic plague |
| fresh water snail | iv) _____ |

55. a) How does heat travel through the following?

- i) vacuum _____
ii) liquids and gases _____

b) Mention any two ways heat transfer through gases is useful in our daily lives.

- i) _____
ii) _____



c) State any **two** reasons why breastfeeding mothers should be fed on a balanced diet.

- i) _____
ii) _____

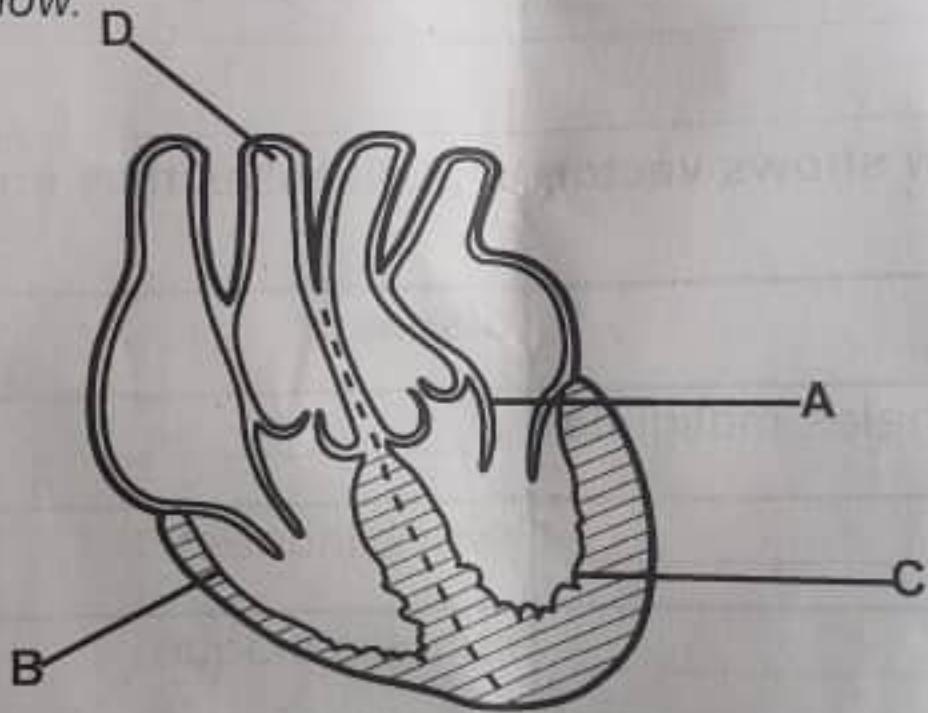
50. a) Give any **two** reasons why farmers should plough land before planting seeds.

- i) _____
ii) _____

b) Apart from the use of chemicals, state any **two** ways of controlling weeds in a maize garden.

- i) _____
ii) _____

51. The diagram below shows a body organ. Study and use it to answer the questions that follow.



a) Name the blood vessel marked with letter D.

b) Give the function of part labelled with letter A on the diagram above.

c) Why is muscle labelled with letter C thicker than that labelled with letter B?

d) Write any **one** health habit that promotes the proper functioning of the body organ above.