

**THE SIPRO BEGINNING OF TERM II EXAMINATIONS - 2023**  
**PRIMARY SEVEN INTEGRATED SCIENCE**

Time Allowed : *Three hours*

Index No

Random No.						Personal No.		

Candidate's Name

Candidate's Signature

School Headmaster's

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 12 questions (20 Marks).
4. Answer 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 all capital letters. All parts must be written in the margins and glass 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 do anything in the spaces indicated.

**"FOR EXAMINER'S USE ONLY"**

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PAGES	MARKS	INITIALS
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Total		

Please turn over



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## SECTION A: 40 MARKS

Questions 1 to 40 carry one mark each.

1. Which part of the human ear collects and transmits sound waves to the auditory canal?  
\_\_\_\_\_
2. Why are people advised to use liquid soap when mopping the floor of a house?  
\_\_\_\_\_
3. Name the component of blood manufactured in the bone marrow of short bones.  
\_\_\_\_\_
4. State one role of water to a person making pots.  
\_\_\_\_\_
5. How does trimming of fingernails control the spread of diarrhoeal diseases?  
\_\_\_\_\_
6. Mention one measure that can be taken to control floods in an area.  
\_\_\_\_\_

The diagrams below are of two first aid kit. Study and use them to answer questions 7 and 8.



7. Mention any one accident which requires the use of the kit marked with letter X when giving first aid.  
\_\_\_\_\_
8. How is the first aid kit marked with letter Y useful to a first aider?  
\_\_\_\_\_
9. State one way drinking enough water helps in the control of digestive disorders.  
\_\_\_\_\_



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SCIENCE (B) TOTAL: 100 MARKS. MARKS OBTAINED: \_\_\_\_\_/100. DATE: \_\_\_\_\_/\_\_\_\_\_/\_\_\_\_\_

10. Which bee product is a source of carbohydrates when eaten?
- 
11. State any **one** difference between river blindness and night blindness.
- 
12. Name the drug of dependence that makes people drunk when excessively taken
- 
13. State **one** similarity between liquids and gases as states of matter.
- 
14. Mention any **one** thing that happens to air as it enters through the nose.
- 
15. How are **PIASCY** messages useful in the control of STDs among school - going children?
- 
16. In which way is prolonged breastfeeding important in the family planning process?
- 
17. Give **one** way regular weeding controls crop pests in a school garden.
- 
18. Mention **one** lifestyle that helps in the control of heart diseases and disorders.
- 
19. How is the presence of water in milk detected on a dairy farm?
- 

The diagram below is of a medical drug prescribed for a patient. Study and use it to answer questions 20 and 21.



c) Use an arrow and letter D to show the part where fats are chemically digested.

44. a) Name the two classes of vertebrates that undergo external fertilization.

i) \_\_\_\_\_

ii) \_\_\_\_\_

b) Name the natural environment where the above animals breed.

c) Give one way the above animals can be conserved

45. a) Mention any two viral immunisable diseases.

i) \_\_\_\_\_

ii) \_\_\_\_\_

b) Give any two methods used to administer vaccines in infants.

i) \_\_\_\_\_

ii) \_\_\_\_\_

46. a) State two ways non-flowering plants reproduce

i) \_\_\_\_\_

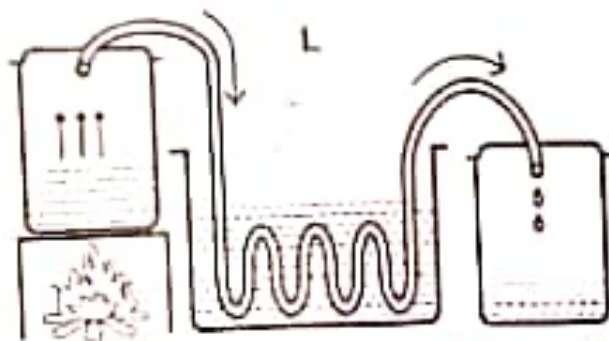
ii) \_\_\_\_\_

b) Write any two ways plant leaves are adapted to making food

i) \_\_\_\_\_

ii) \_\_\_\_\_

47. The diagrams below are of two methods of preparing clean water. Study and use them to answer the questions that follow



a) Identify the methods of purifying water marked with letters L and M.

(i) L \_\_\_\_\_ (ii) M \_\_\_\_\_

b) Besides purifying water, give one other activity done using method L.

c) How best can the water collected in method M be made safe for drinking?



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SCIENCE & BIOLOGY (THEORY) AND EXPERIMENTAL (PRACTICAL) EXAMINATION: 10:00 AM TO 12:00 PM. SMALL TESTS: 10:00 AM TO 11:00 AM. PRACTICAL EXAMINATION: 11:00 AM TO 12:00 PM.

SECTION B 60 MARKS

Questions 41 to 55 carry four marks each

41. a) How are the following parts useful to one's muscular/skeletal system?
- i) tendon \_\_\_\_\_
  - ii) ligament \_\_\_\_\_
- b) Name the injury one sustains when their muscle is over stretched or torn \_\_\_\_\_
- c) State one first aid for the injury you have mentioned in 44 (b) above \_\_\_\_\_

42. a) Name two layers of the soil profile which do not support growth of crops with shallow roots
- i) \_\_\_\_\_
  - ii) \_\_\_\_\_
- b) Give a reason why the above soil layers are unable to support crop growing \_\_\_\_\_
- c) Mention one crop growing practice that improves soil fertility \_\_\_\_\_

43. The diagram below shows part of the digestive system. Study and use it to answer the questions that follow



- a) Name the body organs labelled with letters W and Y
- i) W \_\_\_\_\_
  - ii) Y \_\_\_\_\_
- b) How is the organ marked X different from the one marked Z in terms of function? \_\_\_\_\_



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31 Name the above type of pit latrine

32 How is part X useful in the control of the spread of diarrhoeal diseases in a home?

33 Why are poultry vices not common in the cage system of keeping poultry?

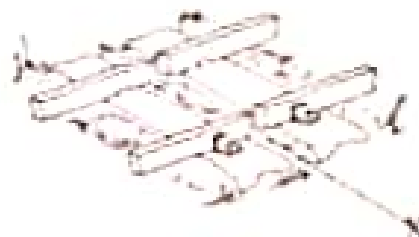
34 Which type of leaf venation is common in dicotyledonous plants?

35 Name **one** group of living things which feeds on dead **decaying** matter

36 Give **one** way people can keep their bones healthy and strong

37 How are saanen goats similar to friesland cattle in terms of purpose?

The diagram below shows part of a railway line. Study and use it to answer question 38



38 Why do the gaps marked with letter X appear narrower during hot weather?

39 Which group of mammals reproduces exactly in the same way as birds?

40 Mention **one** lifeskill that can help a P.7 candidate to avoid drug dependency





48. a) Name the item used by an individual to;

i) clean the nose \_\_\_\_\_

ii) wipe the body after bathing \_\_\_\_\_

b) Give **one** disease caused by poor personal hygiene.

c) How does regular bathing control skin diseases?

49. a) Why are changes in seasons regarded as natural changes in the environment?

b) Mention any **two** natural causes of changes.

i) \_\_\_\_\_

ii) \_\_\_\_\_

c) State any **one** way people made changes lead to soil erosion.

50. a) Give **one** way the following methods help in food preservation.

(i) sun drying \_\_\_\_\_

(ii) refrigeration \_\_\_\_\_

b) Mention **one** foodstuff preserved by sun drying and refrigeration.

(i) sun drying \_\_\_\_\_

(ii) refrigeration \_\_\_\_\_

51. a) Apart from insects, write **two** other examples of vectors.

i) \_\_\_\_\_

ii) \_\_\_\_\_

b) Give any **one** way vectors spread germs among people in the community.

c) Mention any **one** activity done to control vectors in residential houses.



52. a) Mention two elements of PHC.

i) \_\_\_\_\_

ii) \_\_\_\_\_

b) Why should methods used in PHC be affordable in the community?

c) How does introduction of vaccines in the body control immunisable diseases among infants?

53. The diagram below is of a person giving out blood. Study and use it to answer the questions that follow.



a) What name is given to the process taking place in the diagram shown above?

b) Give one reason why the blood obtained above should be carefully screened before transfusion.

c) Give two other ways of increasing the volume of blood in an anaemic person apart from transfusion.

i) \_\_\_\_\_

ii) \_\_\_\_\_



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54 Match the animals in list A to their mode of movement in list B.

List A

List B

snail

crawling

cow

running

chameleon

jet propulsion

ostrich

charging

i) snail

ii) cow

iii) chameleon

iv) ostrich

55. a) Mention any two musical instruments that produce sound when their strings are plucked.

i)

ii)

b) Give any one factor that affects the pitch of sound produced by the above instruments.

c) Mention one activity one can do to increase the pitch of sound produced by the musical instruments in (a) above.



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54. Match the animals in list A to their mode of movement in list B.

**List A**

**List B**

snail

crawling

cow

running

chameleon

jet propulsion

ostrich

charging

i) snail: \_\_\_\_\_

ii) cow \_\_\_\_\_

iii) chameleon \_\_\_\_\_

iv) ostrich \_\_\_\_\_

55. a) Mention any **two** musical instruments that produce sound when strings are plucked.

i) \_\_\_\_\_

ii) \_\_\_\_\_

b) Mention any **one** factor that affects the pitch of sound produced by the instruments.

Mention **one** activity one can do to increase the pitch of sound produced by the musical instruments in (a) above.

20. State the form of drug misuse done when one takes the drugs shown above at any given time.

21. Give one danger of the form of drug misuse you have mentioned in number 20 above to the human body.

22. Name the communicable disease that affects both the respiratory and skeletal-muscular systems.

23. Which characteristic enables clay soil to hold water for a long time?

24. Which type of changes leads to the growth of living things?

25. State the difference in the breathing of a tick and other arachnids.

26. How does rinsing of the mouth after meals control tooth decay?

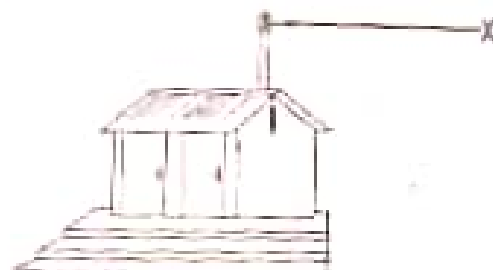
27. Name the body organ which purifies blood by removing waste materials.

28. Mention one sign of cholera which leads to dehydration.

29. Give one disadvantage of rearing exotic breeds of rabbits.

30. How is lack of iron in the diet a danger to one's circulatory system?

The diagram below is of a type of latrine. Study and use it to answer questions 31 and 32.



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