

THE SIPRO MID - TERM I EXAMINATIONS 2024

PRIMARY SEVEN INTEGRATED SCIENCE

Time Allowed: 2 Hours 15 Minutes

| Index No. | Random No. | Personal No. |
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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"

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SECTION A : 40 MARKS

Questions 1 to 40 carry one mark each.

1. Name the process that takes place in clouds during the formation of rainfall.

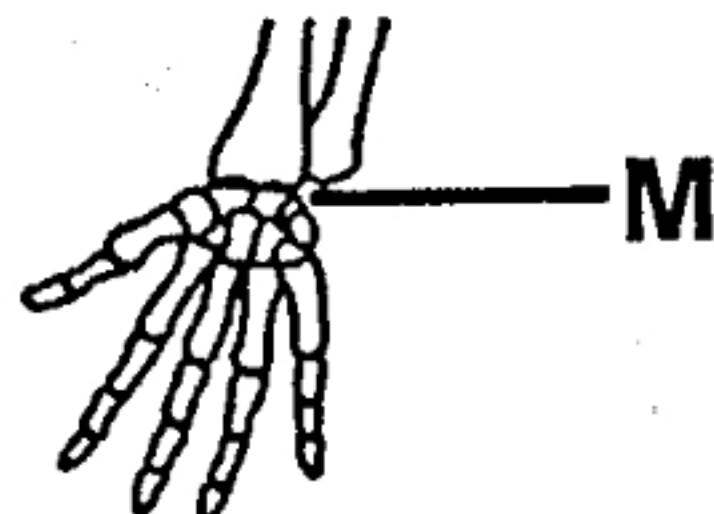
2. Why is a tick considered to be an arachnid?

3. What should be done to a guitar in order to produce sound?

4. State one advantage of keeping rabbits over other domestic animals.

5. Write the general name given to drugs used to treat bacterial diseases.

The diagram below is of a human hand. Study and use it to answer questions 6 and 7.



6. Name the joint located in part labelled with letter M.

7. Mention any one disorder that can occur at the part labelled with letter M.

8. Which process in cleaning clothes reduces soapy water in the clothes?

9. How is the function of pods in leguminous crops similar to that of the cones in coniferous plants?

10. Name the part of a grasshopper used for feeding.

11. State any one danger of harmful fungi to people.



12. Write any one equipment used to groom overgrown fingernails.

13. What name is given to the second stage in the incomplete lifecycle?

14. State **one** difference between mass and weight.

15. Why is a sugarcane not regarded as a stem tuber?

16. Give any **one** way HIV/AIDS affects a family.

The diagram below is of a type of smoking. Study and use it to answer question 17.



17. Identify the type of smoking shown in the diagram above.

18. Which part of a tooth contains nerves and capillaries?

19. Apart from hanging green vegetables, which other items are put in a deep litter house to enable birds do physical exercises?

20. Name the garden tool used to measure spaces between crops in a garden.

21. Which property of air enables one to spray insecticides in a room to kill mosquitoes?



22. Why is heat transfer fastest through gases?

23. How is a solar panel useful in the generation of solar electricity?

24. Write the food storage part in an onion.

25. Give one disadvantage of mulching in a garden.

26. Why is the femur bone grouped together with the ulna bone in the human body?

27. Why do most reptiles move when their forked tongue is out?

The diagram below shows endo parasites. Study and use it to answer questions 28 and 29.



28. Name the endo parasites drawn above.

29. State the effect of the endo parasites drawn above to the human body.

30. What do you understand by the term stocking a hive?

31. Convert 25°C into degrees Fahrenheit.



32. Why is distilled water not recommended for drinking?

33. Give the reason why lit charcoal stops burning when covered with ash.

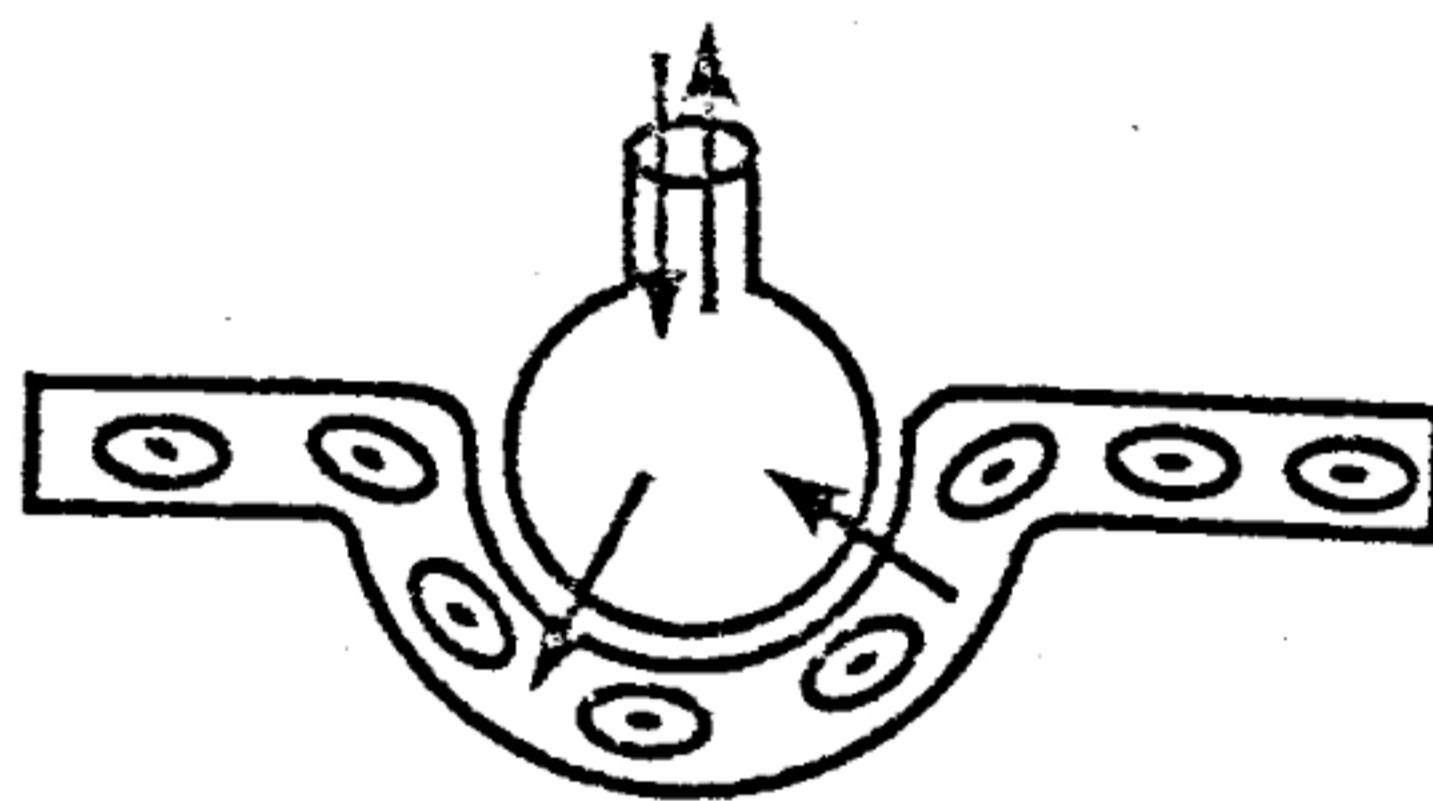
34. Which first aid kit is used by first aiders to kill germs on a wound?

35. State the behaviour of biceps muscles when the arm is bent.

36. Name the stage of a butterfly that is a crop pest.

37. How important is shedding the exoskeleton important to arthropods?

The diagram below shows an alveolus. Study and use it to answer question 38.



38. Which process is represented by the arrows in the diagram above?

39. Give the reason why chicken mash is usually mixed with crushed oyster shells?

40. State the importance of PIASCY in the control of the spread of HIV/AIDS.



SECTION A : 40 MARKS

Questions 41 to 55 carry four marks each.

41. a) State any two items mothers use to promote the hygiene of newly born babies.

(i) _____

(ii) _____

- (b) Write two reasons for promoting personal hygiene in babies.

(i) _____

(ii) _____

42. a) Which health document is issued to parents during immunisation?

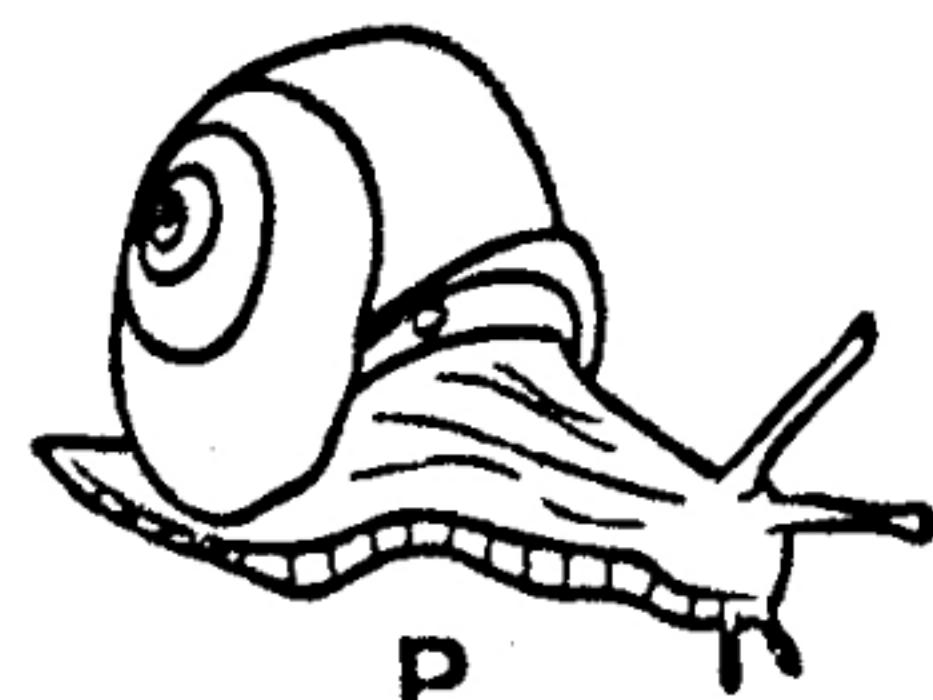
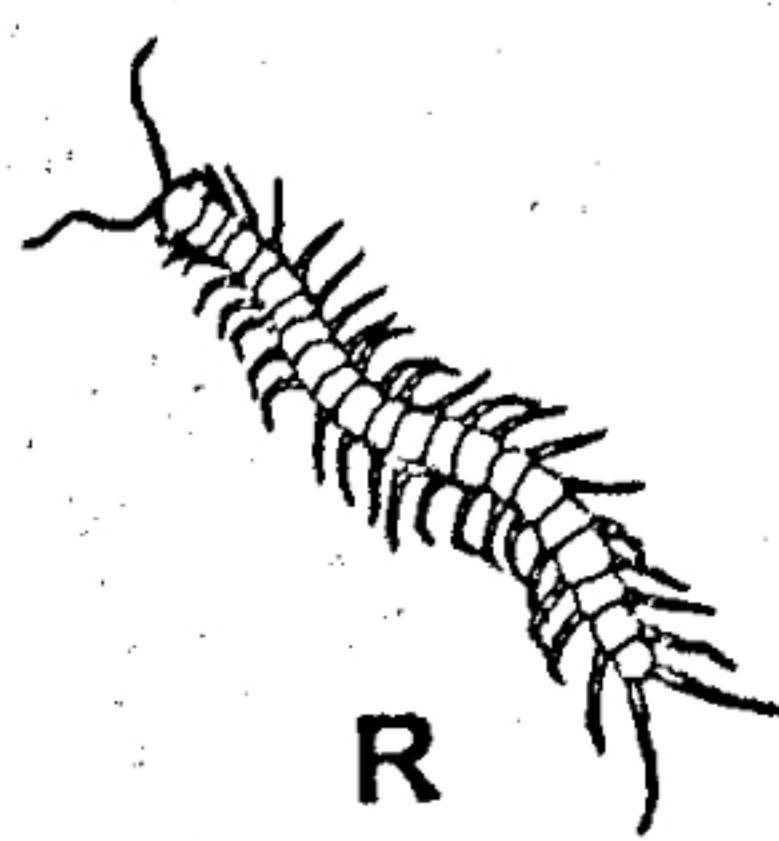
- (b) Write two pieces of information found on the document mentioned in (a) above.

(i) _____

(ii) _____

- (c) Apart from using the document mentioned in (a) above, how else can a teacher tell that a child was immunised against tuberculosis?

43. Below are diagrams of different animals. Study and use them to answer the questions that follow.



- (a) State a common characteristic for all the animals drawn above.



(b) Name the animal labelled with letter R.

(c) How is animal P a threat to human health?

(d) State the behaviour of animal J when scared or touched.

44. a) Write any two products obtained from a rabbitry.

(i) _____

(ii) _____

(b) How are the following parts important on a rabbit hutch?

(i) wire mesh _____

(ii) roof _____

45. a) State the standard units for measuring volume.

(b) Write the method used when finding the volume of irregular objects.

(c) Name any two examples of irregular objects.

(i) _____ (ii) _____

46. a) Write any two causes of soil exhaustion in a cabbage garden.

(i) _____

(ii) _____

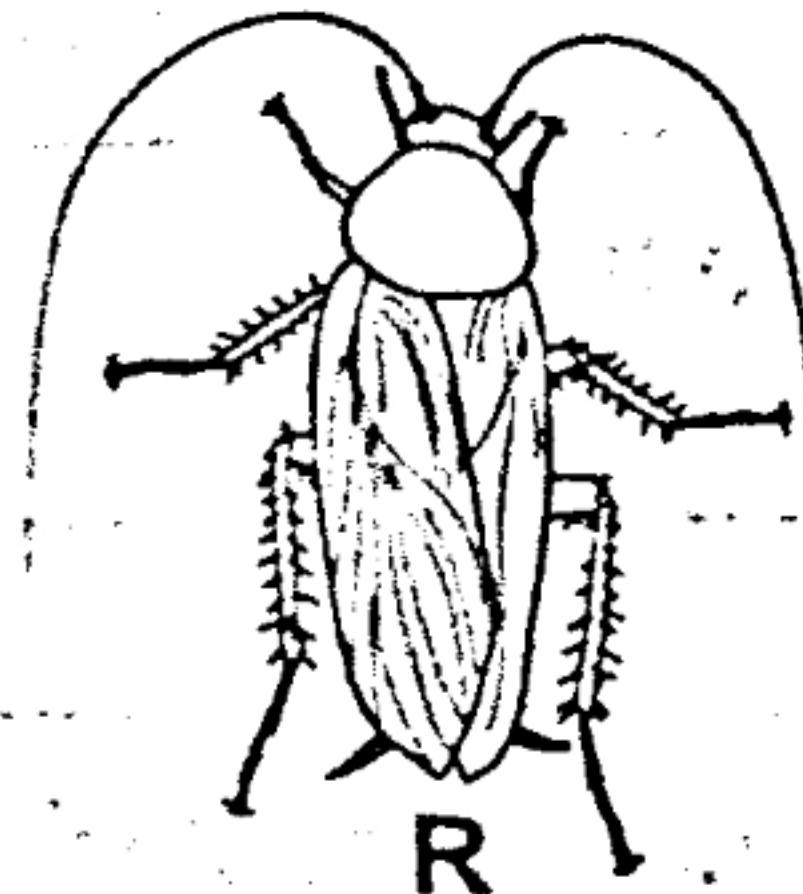
(b) Give two things a farmer can do to control soil exhaustion in a cabbage garden.

(i) _____

(ii) _____



47. The diagrams below are of two disease vectors. Study and use them to answer the questions that follow.



(a) Name the disease vectors marked with letters R and S.

(i) R _____

(ii) S _____

(b) Write any one disease spread by each of the vectors drawn above:

(i) R _____

(ii) S _____

48. a) Which part of the human ear is responsible for;

(i) changing sound vibrations into nerve signals? _____

(ii) amplifying sound vibrations? _____

(b) Write any two habits that can cause damage to the human ear.

(i) _____

(ii) _____

49. a) Mention any two sanitation facilities in a home.

(i) _____

(ii) _____

(b) Give two human activities that can lead to poor sanitation in the environment.

(i) _____

(ii) _____

50. a) Write any two sources of food.

- (i) _____
(ii) _____

(b) State any two natural causes of poor feeding in some families.

- (i) _____
(ii) _____

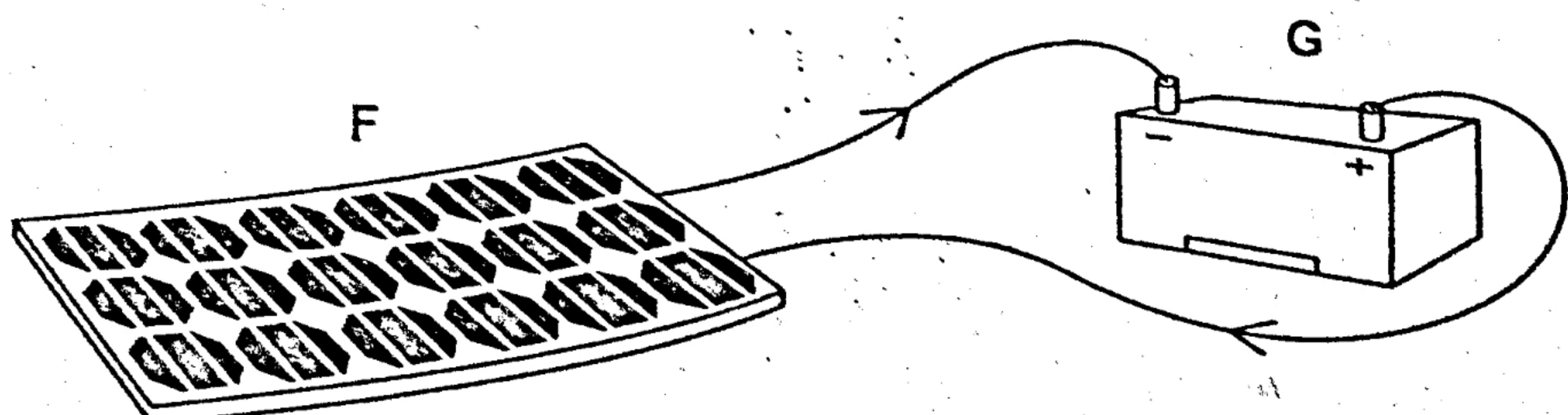
51. a) Which term is used to mean the period of sexual maturity in adolescents?

(b) Give any two similar secondary sex characteristics in both male and female adolescents.

- (i) _____
(ii) _____

(c) Mention one life skill that enables adolescents to overcome the challenges like teenage pregnancies.

52. Below is a diagram showing a solar set. Study and use it to answer the questions that follow.



(a) Name the part labelled with letter F.

(b) Give the importance of part marked with letter G in a solar set.

(c) Which energy change occurs in part marked with letter F while in use?



(d) How is electricity produced by a solar set environmentally friendly?

53. a) Name one source of heat at home used for;

- (i) ironing clothes. _____
- (ii) boiling drinking water. _____

(b) In which two ways does heat travel through matter?

- (i) _____
- (ii) _____

54. (a) Where in the human digestive system does chemical digestion of fats and oils begin?

(b) Name the digestive juice produced by each of the following digestive parts;

- (i) stomach _____
- (ii) pancreas _____

(c) Write one cause of disorders of the digestive system.

55. a) Why is alcohol regarded as a drug of dependency?

(b) What do we call a condition when an individual is addicted to taking alcohol?

(c) Name any two dangers of excessive alcohol intake to human health.

- (i) _____
- (ii) _____