

**P.4 MID-TERM III EXAMINATION 2024
INTEGRATED SCIENCE**
Time Allowed: 2 hours 15 minutes

Pupil's Name:
School:
Class: **Stream:**
District: **Date:**

SECTION A (40 MARKS)

1. How is a snail harmful to people?

2. Name the body organ that filters blood in the human body.

3. State **one** element of weather.

4. How can crop farmers prevent their tools from rusting?

5. Give **one** foodstuff prepared by steaming at home.

The diagram below is of a home item. Use it to answer questions 6 & 7.



6. How does the above item help us to promote sanitation at school?

7. Which body part helps us to use the above item while promoting sanitation?

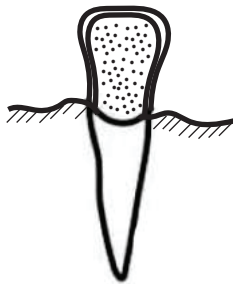
8. Why is loam soil good for crop growing?

9. Give any **one** natural source of heat energy in our environment.

10. Give **one** danger of keeping paraffin in a soda bottle at home.

11. State **one** importance of food in our bodies.

12. Give the use of the tooth illustrated below.



13. Which sense organ is affected by trachoma?

14. Of what importance are the spiracles to a cockroach?

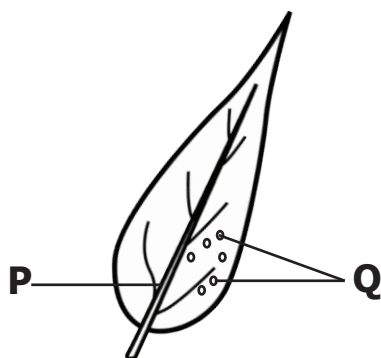
15. Give **one** modern method of preserving fish at home.

16. What does the term "soil profile" mean?

17. Mention **one** cause of dehydration among children.

18. State **one** way hookworms affect one's health.

The diagram below is of a leaf. Use it to answer questions 19 and 20.



19. Name part marked **P**.

20. Give the function of part labelled **Q** to a leaf.

21. State the reason why pupils wash their hands after visiting a latrine or toilet.

22. Write down one non-living component of the environment.

23. Which mineral salt is needed to have strong teeth in a human body?

24. Give any **one** danger of cutting a lot of trees in our environment.

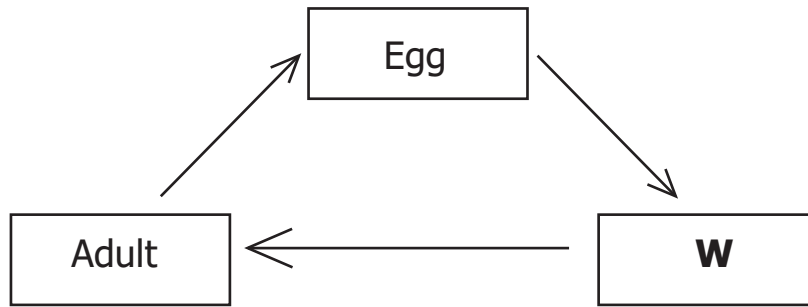
25. Name the property of air which enables water to move through pipes.

26. Identify **one** hygiene practice that helps a person to prevent keeping dirt and germs beneath the finger.

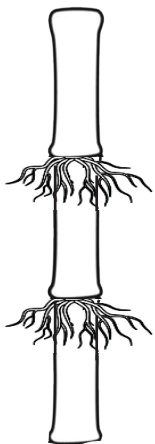
27. State the function of sepal to a flower.

28. What condition in a person requires rehydration?
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29. Write down **one** example of fuel used for cooking at your school.
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The diagram below is of a life cycle of an insect. Use it to answer questions 30 and 31.



30. Name the stage marked **W**.
-
31. Identify **one** insect with the type of life cycle shown above.
-
32. Identify any one way worm infestation can be controlled.
-
33. Why is it important for a P.4 child to sleep under a mosquito net?
-
34. How can clean water be made safe for drinking?
-
35. Mention any **one** disease spread by a mosquito.
-
36. Why is it important to include fruits in our diet?
-
37. What body injury can be caused by a broken glass?
-
38. What do we call a manmade home for rabbits?
-
39. Mention **one** reason why animals move from one place to another.
-
40. How are roots in the diagram below useful to a sorghum plant?



SECTION B (60 MARKS)

41. a) Name any **one** natural source of water in the environment.

b) Mention any **one** item used for harvesting water.

c) Mention **one**-way people make water sources dirty.

d) Identify **one** disease got through drinking contaminated water.

42. a) Name the last set of teeth to develop in humans.

b) State any **two** activities done to keep our teeth clean.

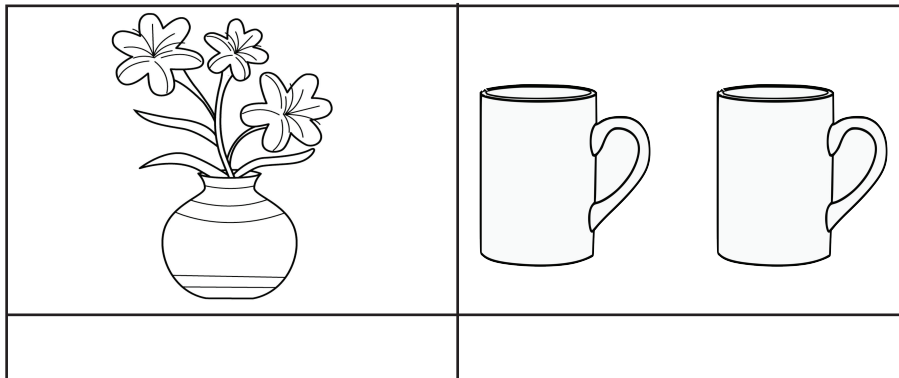
i) _____

ii) _____

c) Mention any **one** disorder of teeth.

43. a) Name the process of soil formation where rocks are broken down into smaller particles.

b) Name these items made from clay soil.



c) How is humus useful in soil?

44. a) Name the germ that causes **AIDS** to people.

b) Write down any **two** signs and symptoms of AIDS.

i) _____

ii) _____

c) Mention the best way schoolchildren can prevent catching AIDS.

45. a) What is a nursery bed?

b) State any **one** activity done to seedlings in a nursery bed.

c) Give **two** examples of crops that are first planted in a nursery bed.

i) _____

ii) _____

46. a) What is epigeal germination?

b) List down all the three conditions needed for germination.

i) _____ ii) _____ iii) _____

47. a) What are livingthings?

b) Mention the group of livingthings that makes its own food.

c) Identify the characteristics that enable livingthings to:

i) change in size. _____

ii) increase in number. _____

48. a) State the difference between air and wind.

b) Give any **two** uses of air to people.

i) _____

ii) _____

c) Which component of air takes the least percentage in the atmosphere?

49.a) Write down any **two** items used to promote personal hygiene.

i) _____ ii) _____

b) Name any **one** danger of poor personal hygiene.

c) Identify vectors commonly seen around rubbish pits.

i) _____ ii) _____

50. a) What is mulching?

b) Give any **two** reasons why crop farmers mulch their gardens.

i) _____

ii) _____

c) State the danger of mulching in the garden.

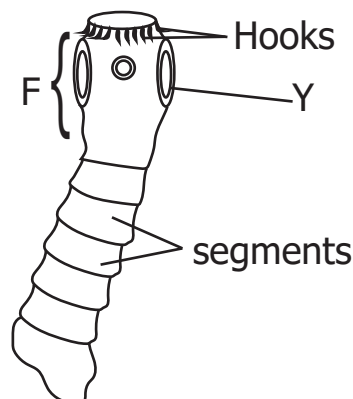
51. a) What are social insects?

b) Write down any **two** examples of social insects.

i) _____ ii) _____

c) How are bees useful to people?

52. The diagram below shows a head of a tapeworm. Study it and use it and answer the questions that follow.



a) What general name is given to part marked **F**?

b) How are the following parts useful to a tape worm?

i) Hooks? _____

ii) Segments? _____

c) How does a tapeworm enter one's body?

53.a) Who is a casualty?

b) List down any **two** components of a First Aid kit.

(i) _____ (ii) _____

c) State a reason for giving First Aid to a casualty.

54.a) What is weather?

b) How are nimbus cloud important to crop farmers?

c) Mention any **two** items people use during rainy weather.

(i) _____ (ii) _____

55. Match correctly the body organs in list **A** to their uses in list **B**.

A (organ)	B
Heart	Exchanging gases
Lungs	Removes sweat from the body
Brain	Pumps blood
Skin	memory

i) heart. _____

ii) lungs. _____

iii) brain. _____

iv) skin. _____

END