

# **SMART QUALITY EXAMINATIONS**

## **MID-TERM THREE EXAMINATIONS - 2023**

**CLASS : P.4**

**SUBJECT : INTEGRATED SCIENCE**

**TIME ALLOWED: 2Hrs 15 Min**

**NAME: \_\_\_\_\_ Stream : \_\_\_\_\_**

**EXAMINER'S USE ONLY**

A	
B	
<b>TOTAL</b>	

**Read the following instructions carefully:**

- 1. The paper is made up of section A and B.**
- 2. Section A has 40 short answer questions (40 marks).**
- 3. Section B has 15 questions (60 answers).**
- 4. Answer ALL questions. All answers to both section A and B must be written in the spaces provided.**
- 5. All answers must be written in blue ink.**
- 6. Any handwriting that cannot easily be read will lead to loss of marks.**
- 7. Unnecessary alteration of work may lead to loss of marks.**
- 8. Do not write anything in the box indicated for examiner's use only.**

## **SECTION A**

1. What are living things?

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2. Which weather condition helps farmers to winnow seeds?

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3. Which domestic animal is kept for transport?

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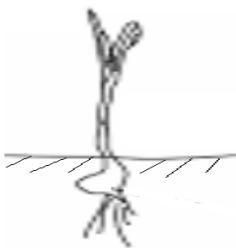
4. Why do people boil water for drinking?

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5. Which cloud is the furthest in the sky?

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6. Which type of germination is shown?



7. Write one use of leaves to man.

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8. State the danger of drought in the environment.

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9. Why are rats said to be wild animals?

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10. What is the role of a father at home?

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11. Identify any one source of oxygen that animals use to respire.

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12. Why are petals of a flower brightly coloured?

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13. Identify one reason why farmers mulch their gardens.

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14. How are germs dangerous?

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15. Identify the property of air shown.



16. How do people manage sunny weather?

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17. Why should we always cut our long finger nails short?

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18. Identify any one raw material for photosynthesis.

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19. Name one set of teeth in human beings.

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20. State one way vaccines are administered.

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21. Why do we wash fruits before eating them?

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22. Why are houseflies called disease vectors?

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23. Which sense organ is used for tasting food?

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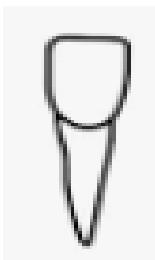
24. How do farmers control crop pests in the garden?

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25. Why is a housefly called an insect?

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26. Identify the type of teeth in the diagram.



27. Identify one way how food can be preserved.

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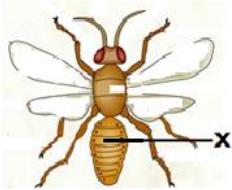
28. Why is a stone called a non-living thing?

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29. How is the surgical spirit useful in giving first aid?

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30. Name part marked with letter K.



31. How does the insect in No.30 move from one place to another?

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32. What is leaf venation?

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33. Identify one Natural change in the environment.

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34. Name one wild bird.

35. Write one common disease that affect human beings.

36. Why do people bathe every day?

37. Identify a habitat for earthworms.

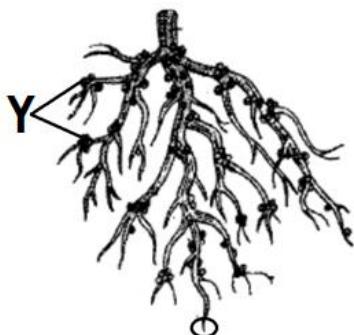
38. Write one component of soil.

39. What is the importance of a broom at home?

40. Why are spiders not called insects?

### **Section B** ( 60 mks)

41a) Use the diagram below to answer questions that follow.



a) Name part marked Y on the root.

b) Give two crops with such root system.

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

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

c) What food value do we get from eating beans?

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42a) What is a shadow?

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b) Write two uses of shadows to people.

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

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

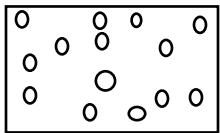
c) In which direction does a sun rise?

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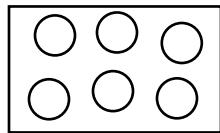
43. Use the diagram below about soil to answer questions below.



X



Y



Z

a) Name the types of soil marked;

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

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

44a) What is an accident?

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b) Identify the person trained to give first aid?

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c) Write two items found in a first aid box.

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

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

45a) Write one artificial source of water.

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- b) Give two uses of water at school.
- i) \_\_\_\_\_
- ii) \_\_\_\_\_
- c) Write one way water gets contaminated.  
\_\_\_\_\_

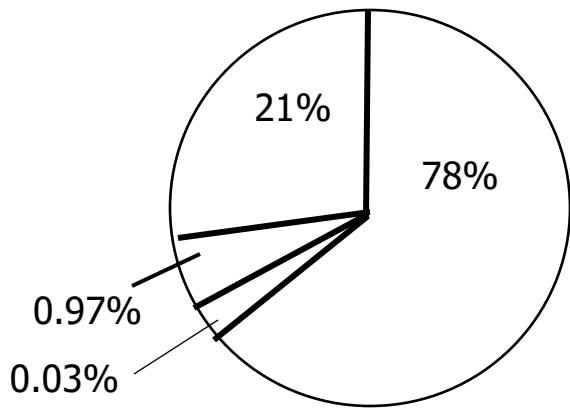
46a) What is food?  
\_\_\_\_\_

- b) Write two ways of preparing food at home.
- i) \_\_\_\_\_
- ii) \_\_\_\_\_
- c) What is a balanced diet?  
\_\_\_\_\_

47a) Write ORS in full.  
\_\_\_\_\_

- b) Name two solutes used when preparing ORS.
- i) \_\_\_\_\_
- ii) \_\_\_\_\_
- c) State one cause of dehydration.  
\_\_\_\_\_

48) **Use the diagram to answer questions that follow.**



a) Name the gas given 78%.

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b) Give two processes where gas given 21% is needed.

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

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

c) How is gas marked 0.03% important in the environment?

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49a) How many senses does a person have?

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b) Write any two sense organs found on your body.

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

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

c) How does one care for the skin?

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50a) Give the habitat for fish.

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b) How does fish move in water?

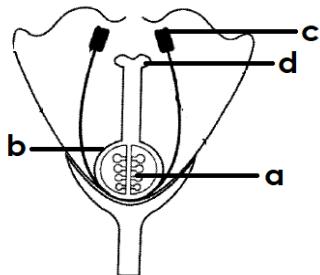
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c) Apart from fish give any other two animals that live in water.

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

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

51) Use the diagram below to answer questions that follow.



a) What is a flower?

b) State the function of part d.

c) What will parts, b and a become after fertilization?

b \_\_\_\_\_

a \_\_\_\_\_

52. Complete the table below correctly.

<u>Vector</u>	<u>Disease</u>
Rat flea	_____
_____	Malaria
cockroach	_____
_____	trachoma

53a) What is transpiration?

\_\_\_\_\_

b) How is transpiration important to plants?

\_\_\_\_\_

c) Mention two factors that affect transpiration.

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

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

54a) What is soil erosion?

\_\_\_\_\_

b) Write one type of soil erosion.

c) State two causes of soil erosion?

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

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

55. **Match animals to their young ones.**

i) lion - kitten

ii) sheep - kid

iii) Goat - cub

iv) rabbit - lamb

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

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

iii) goat \_\_\_\_\_

iv) rabbit \_\_\_\_\_

END