

**SECTION A (40 marks)**

**(Questions 1 to 40 carry one mark each)**

1. Name the hardest part of a tooth.

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2. State any one way man can prevent malaria in a home.

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3. In which way is a lateral line important to a fish?

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4. State any one way of keeping personal hygiene.

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5. What is the use of a shovel in a nursery bed?

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6. State any one reason why some plants climb others.

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7. Name the insect which pollinates flowers at night.

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8. Why are we advised to eat a lot of fruits?

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9. In which way is burning similar to germination?

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10. How is a clinical thermometer different from other thermometers?

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11. Identify any one intestinal worm in man.

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12. Name one water borne immunisable disease.

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13. Which component of soil makes it suitable for plant growth?

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14. Mention an example of a plant with root nodules.

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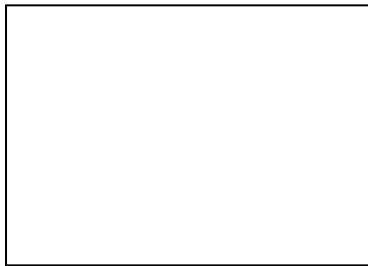
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15. Which type of teeth helps a rabbit to bite its food?

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16. In the space provided below, draw the male part of a flower.



17. Why do plants need water?

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18. Name the body organ which is used to balance the body.

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19. Give one traditional method of preserving meat.

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20. Mention the organisms which make things rot.

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21. How can soil erosion be controlled in a garden?

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22. Why is mercury commonly used in thermometers?

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23. Give one way in which plants depend on each other.

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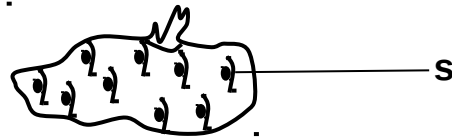
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24. Give any one reason why farmers weed their gardens.

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25. *The diagram below is of an Irish potato tuber. Use it to answer the questions that follow.*



26. What is the use of the part marked S?

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27. What happens when an opaque object is placed in a path of light?

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28. How do plants reduce the amount of carbon dioxide in the atmosphere?

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29. State any one difference between a hen and a cock.

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30. Give one kind of insects which live in a colony.

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31. Mention any one way in which a human body acquires natural immunity.

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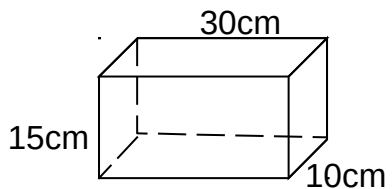
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32. What is the use of hydrochloric acid produced in the stomach during digestion?

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33. Calculate the volume of the block below.

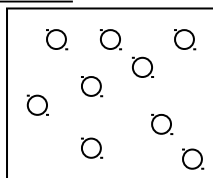


34. A wooden pencil was thrown in a bucket which was half-ful of water. The pencil remained afloat. Why did the pencil float on water?

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*The diagram below shows an arrangement of molecules in a state of matter. Study it and answer question 35.*



35. In which state of matter are molecules arranged as shown above?

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36. Mention the type of energy which is possessed by a car parked in a garage.

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37. State any one condition in which an iron bar may not rust.

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38. Give any one example of a mineral needed by plants.

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39. What is pruning?

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40. Mention one example of fungi.

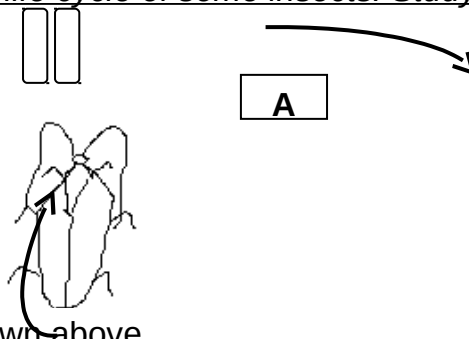
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**SECTION B** (60 marks)  
**(Questions 41 to 55 carry four marks each)**

41. (a) What is sanitation?  
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\_\_\_\_\_
- (b) State two reasons why sanitation should be maintained in an area.
- (i) \_\_\_\_\_  
\_\_\_\_\_
- (ii) \_\_\_\_\_  
\_\_\_\_\_
- (c) Give any one disease which may break out in a place with poor hygiene.  
\_\_\_\_\_  
\_\_\_\_\_
42. Mr. Otim has one acre of agricultural land. Each season Mr. Otim grows a different crop from that of the previous season.
- (a) What system of farming does Mr. Otim practice?  
\_\_\_\_\_  
\_\_\_\_\_
- (b) Give any three advantages of the system you have mentioned above.
- (i) \_\_\_\_\_  
\_\_\_\_\_
- (ii) \_\_\_\_\_  
\_\_\_\_\_
- (iii) \_\_\_\_\_  
\_\_\_\_\_
43. (a) Write down two classes of food.
- (i) \_\_\_\_\_  
\_\_\_\_\_
- (ii) \_\_\_\_\_  
\_\_\_\_\_
- (b) What class of food do we get when we eat cassava?  
\_\_\_\_\_
- (c) How is food useful to the body?  
\_\_\_\_\_  
\_\_\_\_\_

44. The chart below shows the life cycle of some insects. Study it carefully and answer the questions that follow.



(a) Name the insect shown above.

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(b) Which stage is marked **A** in the life cycle shown above?

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(c) What type of life cycle is shown above?

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(d) State any one danger of cockroaches to man.

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45. The heart is one of the important organs of the human body.

(a) To what system of the body does it belong?

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(b) What is the main work of the heart?

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(c) Name one disease which attacks the heart.

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(d) How can one keep one's heart healthy?

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46. The diagrams below show types of germination. Study them carefully and answer the questions that follow.



(a) Name the types of germination shown above in **A** and **B**.

(i) **A** \_\_\_\_\_

(ii) **B** \_\_\_\_\_

(b) Give one example of seeds which undergo the type of germination in diagram **A** and **B**.

(i) **A** \_\_\_\_\_

**B** \_\_\_\_\_

47. (a) What is weather?

\_\_\_\_\_  
\_\_\_\_\_

(b) Name the condition of weather with too much sunshine.

\_\_\_\_\_

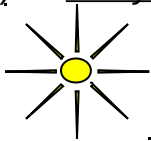
(c) Give the use of a rain gauge in a weather station.

\_\_\_\_\_  
\_\_\_\_\_

(d) Why is too much rain bad to crops?

\_\_\_\_\_  
\_\_\_\_\_

48. (a) Study the diagram below and draw the shadow of the tree.



(b) Give any three uses of shadows to man.

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

\_\_\_\_\_

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

\_\_\_\_\_

(iii) \_\_\_\_\_

\_\_\_\_\_

49. Write down the 4Fs germ path in order.

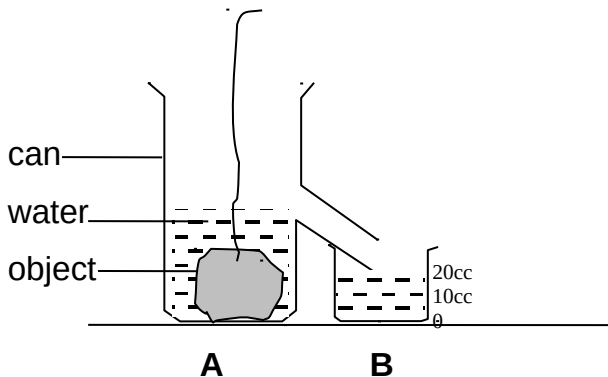
- (i) \_\_\_\_\_
- (ii) \_\_\_\_\_
- (iii) \_\_\_\_\_
- (iv) \_\_\_\_\_

50. The table below shows diseases with their causes. Match the diseases in list **A** to their causes in list **B** correctly.

A (diseases)	B (causes)
marasmus	lack of iodine
rickets	lack of Vitamin C
goitre	lack of enough carbohydrates
scurvy	lack of Vitamin D
	Lack of proteins.

- (i) Marasmus \_\_\_\_\_
- (ii) Rickets \_\_\_\_\_
- (iii) Goitre \_\_\_\_\_
- (iv) Scurvy \_\_\_\_\_

51. An experiment was done by a P.5 class as shown in the diagram below. Use it to answer the questions that follow.



(a) When is such a method of finding volume used?

\_\_\_\_\_

\_\_\_\_\_



(b) Name the method shown in the diagram above.

\_\_\_\_\_

(c) What is the volume of the object in the can above?

\_\_\_\_\_

(d) State the use of container **B** in the above method.

\_\_\_\_\_

\_\_\_\_\_

52. (a) By what process does heat travel through a metal bar?

\_\_\_\_\_

(b) What happens to a metal bar when left outside on a hot day?

\_\_\_\_\_

\_\_\_\_\_

(c) State any two uses of heat in a home.

(i)

\_\_\_\_\_

\_\_\_\_\_

(ii)

\_\_\_\_\_

\_\_\_\_\_

53. (a) Give any three characteristics of living things.

(i)

\_\_\_\_\_

(ii)

\_\_\_\_\_

(iii)

\_\_\_\_\_

(b) How are plants different from animals in the way they get their food?

\_\_\_\_\_

\_\_\_\_\_

54. How does each of the following animals protect itself from enemies?

(a) tortoise \_\_\_\_\_

\_\_\_\_\_

(b) wasp \_\_\_\_\_

\_\_\_\_\_

(c) millipede \_\_\_\_\_

\_\_\_\_\_

(d) chameleon \_\_\_\_\_

\_\_\_\_\_

55. (a) Mention any two breeds of goats kept in Uganda.

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

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

(b) Give two reasons why many people in Uganda rear goats.

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

\_\_\_\_\_

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

\_\_\_\_\_

***Good luck***

