

SECTION (40 MARKS)

1. Name the stage in life cycle of cockroaches after eggs.

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2. How do snakes move from one place to another?

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3. Why is smoking able to preserve fish for a long time?

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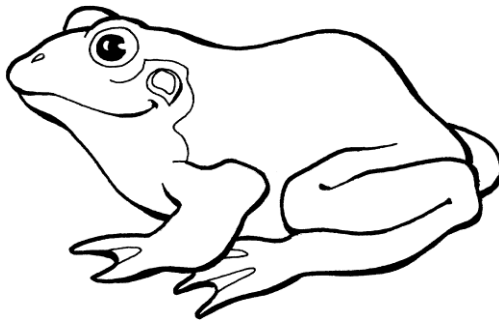
4. Give a reason why farmers prepare their gardens during dry season.

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5. State a reason why water goes to the bottom of a saucepan when mixed with cooking oil.

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**The diagram below shows a vertebrate. Use it to answer questions 6 and 7.**



6. Name the vertebrate shown above.

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7. To which group of vertebrates does the above animal belong?

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8. Write down any one benefit of pruning fruit trees.

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9. Why do people infested with hookworm become anaemic?

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10. Which part of air occupies the largest percentage?

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11. Give a role played by plants in rain cycle.

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12. Name the sheet of muscle that separates respiratory system from the digestive system.

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13. How can sound stored in tonic solfa be reproduced?

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14. State the function of the ovary of a flower similar to the testes of male animals.

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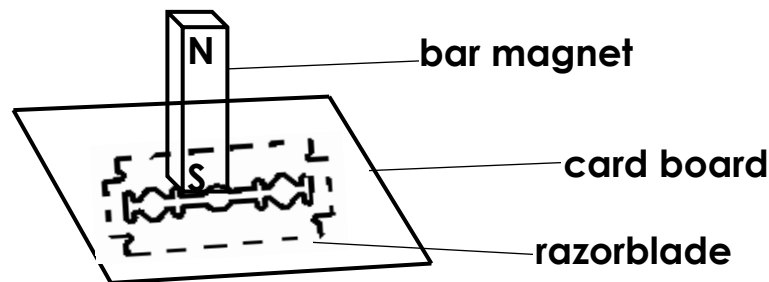
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15. In which way is blubber useful to sea mammals?

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The diagram shows a proper of magnets. Use it to answer questions 16 and 17.



16. Identify the property of magnets shown above.

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17. State one way magnets are useful in a kitchen.

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18. How is the use of a strip cup different from that of a lactometer?

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19. Give one example of a commonly abused drug in our community.

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20. Which vector spreads elephantiasis to people?

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21. Give any one type of record kept on a goat farm.

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22. How do people manage soil erosion on a school compound apart from growing plants?

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23. Name the fungal disease that affects the head of children in the community.

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**Study the diagram below and use it to answer question 24 and 25.**



24. What warning signs are normally given on consumption of alcohol by youth.

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25. Give any one danger of excessive use of the above drink to people.

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26. How is a fern similar to a moss plant?

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27. Name the standard unit for measuring capacity.

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28. State one danger of glass and plastic materials in soil.

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29. Why should a pit latrine be dug below a water table?

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30. Give a reason why chicken brood their young ones.

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31. Write down any one food stuff got from water bodies.

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32. State the difference between bacteria and fungi in terms of reproduction.

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33. Mention one activity carried out by a dairy farmer before milking the cows.

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34. Give any one example of a special needs person.

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35. How is BCG vaccine administered in children?

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36. Which part of an insect is used to detect temperature changes in the environment?

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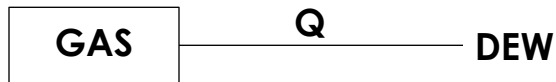
37. How is a switch similar to a fuse in terms of function?

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38. Name the male reproductive cell in flowering plants.

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39. The diagram below shows a method of heat transfer. Use it to answer questions 39 and 40.



Name the process **Q** through which dew is formed at night.

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40. State how brushing teeth after every meal promotes oral hygiene.

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41.a) What type of digestion takes place in the ileum?

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b) Name the digestive enzyme found in the mouth.

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c) What important digestive process takes place in the colon?

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d) How is the ileum adapted to its function?

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42a) What is primary health care?

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b) How do the following people promote PHC.

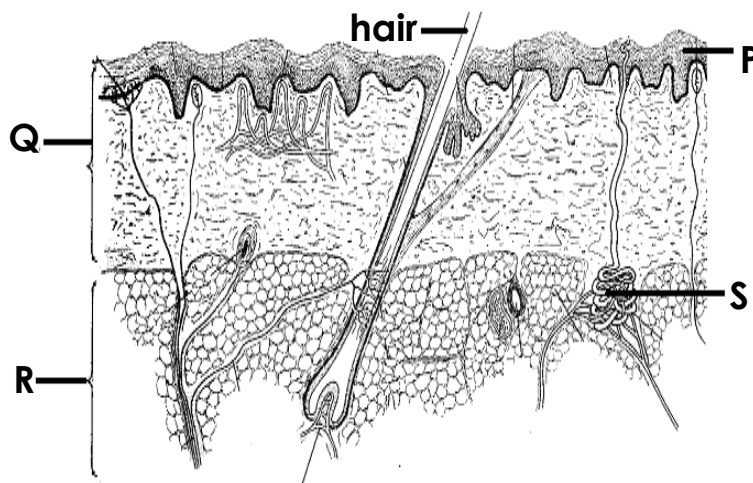
i) individuals \_\_\_\_\_

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

c) Which element of PHC helps to control the spread of hepatitis B?

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43. **Below is the diagram of the skin. Use it to answer questions about it.**



a) Name the layers marked **P** and **Q**.

i) **P** \_\_\_\_\_ ii) **Q** \_\_\_\_\_

b) State the importance of part marked S.

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c) Mention any one disorder of the skin.

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44. a) Apart from water, mention one condition necessary for photosynthesis to take place.

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b) Name the gas released by plants during photosynthesis.

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c) How do the following benefit from photosynthesis?

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

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

45. a) What name is given to the male rabbit?

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b) State the function of a wire mesh in a hutch.

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c) Mention the exotic breed of rabbit kept for textile industry.

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d) Give one way of controlling the spread of diseases in rabbits.

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46. Match the following components of electric circuit with their uses.

**A**

Ammeter

Fuse

Switch

Battery

**B**

- produces electricity.

- breaks the circuit during power surge

- breaks the circuit at will of the user.

- measure amount current in the circuit

a) Ammeter \_\_\_\_\_

b) Fuse \_\_\_\_\_

c) Switch \_\_\_\_\_

d) Battery \_\_\_\_\_

47. a) Give one use of plane mirrors to people.

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b) State two characteristics of images formed in plane mirrors.

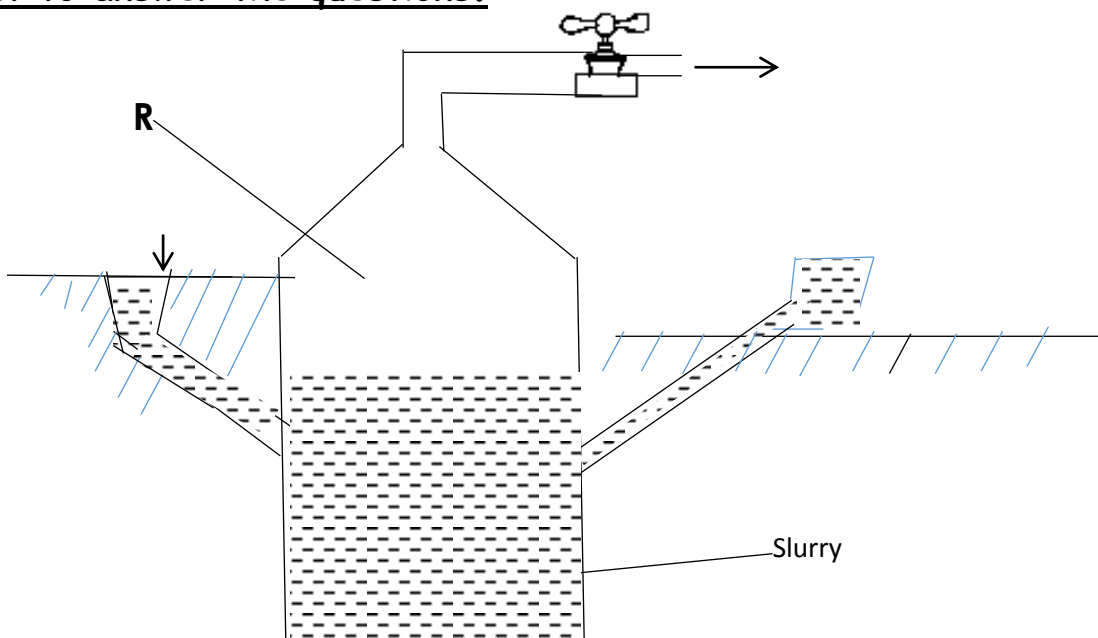
i) \_\_\_\_\_

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

c) Name the type of reflection that takes place in a swimming pool.

\_\_\_\_\_

48. The diagram below shows an equipment found in many communities. Use it to answer the questions.





a) Name the equipment above.

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b) How does the above equipment benefit a crop farmer?

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c) Name the gas produced to part R.

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d) Identify one raw material used to make the slurry.

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49. a) Why do poultry farmers include small stones in poultry feeds?

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b) State one way a poultry farmer can make the birds lay eggs with hard shells.

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c) Give the importance of incubation of eggs.

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d) State any two requirements by birds to incubate their eggs.

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

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

50. **Below is a list of food stuffs. Use it to answer the following questions.**

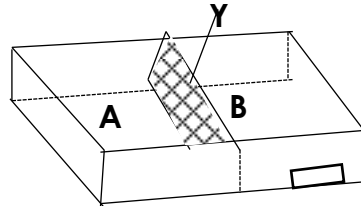
**carrots, dry fish, beans, pineapples, oranges, maize, spinach, bananas.**

a) Which food stuff would you advise a person suffering from the following to eat?

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- b) Name **two** food stuffs that are source of carbohydrates from the list. (1mark)
- i) \_\_\_\_\_ ii) \_\_\_\_\_
- c) Identify the food stuff which boosts body immunity.
- \_\_\_\_\_

51. The diagram shows a type of bee hive. Use it to answer the questions.



- a) Name the chamber marked B.
- \_\_\_\_\_
- b) State **two** advantages of using the above type of hive.
- i) \_\_\_\_\_
- ii) \_\_\_\_\_
52. a) What is a dislocation?
- \_\_\_\_\_
- \_\_\_\_\_
- b) Apart from a stretcher, give any **two** other way of transporting accident victims who are unable to walk normally.
- i) \_\_\_\_\_
- ii) \_\_\_\_\_
- 53.a) What are voluntary muscles?
- \_\_\_\_\_
- \_\_\_\_\_

b) Apart from the muscles of the forearm, give two examples of voluntary muscles.

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

c) State any one disorder of muscles.

\_\_\_\_\_

54.a) How long is the gestation period of a cow?

\_\_\_\_\_

b) Write down two signs of calving in a cow.

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

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

c) Give one sign of heat period in a cow.

\_\_\_\_\_

55.a) *You are provided with some garden soil, measuring jar, a test tube and water. How do you experiment to show the presence of air in the soil? (3marks)*

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\_\_\_\_\_

\_\_\_\_\_

b) State the importance of the air in the soil.

\_\_\_\_\_

END

