

SECTION .A. (40 MARKS)

1. Apart from mohair, give any one other example of animal fibres.

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2. State any one way of preventing human skin diseases.

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3. State the role of the sun in formation of rain.

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4. How does mulching help to keep moisture in the soil?

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5. How does gonorrhea infection affect the unborn baby in a pregnant woman?

The diagram below shows a component of an electric circuit. Use it to answer questions 6 and 7.



6. Use letter K to show the part that works as the positive terminal.

7. Give the function of the above component in a simple electric circuit.

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8. Name the component of air that supports rusting of metallic objects.

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9. Mention any one condition that can make a mother use bottle feeding in caring for her baby.

10. Which eye defect makes a person see nearby objects more clearly than distant objects?

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11. State any one mechanism used by plants to reduce the rate of transpiration in plants.

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12. Why is a grass thatched house better to live in in hot climatic areas?

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13. Name the rabbit disease which involves shivering, difficulty in breathing and fever.

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14. State one reason why pregnant women are advised not to smoke?

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15. State any one way the spread of contagious eye diseases like red eyes can be controlled in a school.

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16. What type of immunity do we get from immunisation?

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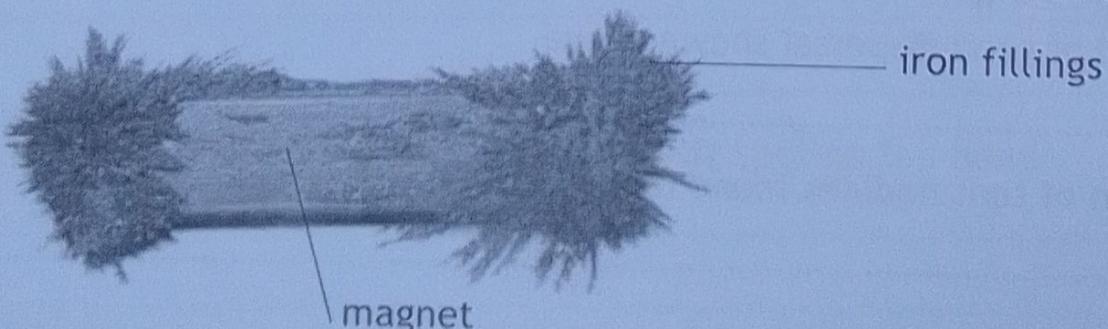
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17. In which one way are conifers similar to beans in terms of their reproduction?

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The diagram below shows a property of magnets. Use it to answer question 18.



18. State the property of magnets shown above.

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19. State any one difference between arteries and veins in terms of their functions.

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20. Give one advantage of using solar energy over paraffin in providing light to our homes?

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21. Mention the role of the liver in digestion of food.

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22. How does smoke move through the chimney of the kitchen?

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23. How are birds of prey such as eagles adapted to their mode of feeding?

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24. Why is transplanting commonly carried out in the evening?

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The diagram below shows a method of seed dispersal. Use it to answer question 25.



25. Name the method of seed dispersal shown above.

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26. State the function of root nodules found on roots of leguminous plants.

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27. Mention the intestinal disease which makes a person to pass out watery stool with blood.

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28. What happens to the lungs when we breathe in?

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29. To which group of simple machines does a ladder leaning against a wall belong?

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30. State one reason why root tubers should be part of the human diet.

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31. Which method enables a person to find the volume of a stone?

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32. How do the silvered walls of the vacuum flask reduce heat loss?

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33. Why is a pencil not attracted by a magnet?

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34. Why should adolescents abstain from sex till marriage?

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35. How is the reproduction of bacteria different from that of yeast?

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36. Which condition in babies is shown by sunken soft spot on the head?

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37. Why do modern poultry farmers include bone powder in poultry feeds?

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The diagram shows a method of making water clean. Use it to answer questions 38.



38. Name the method of making water clean shown above.

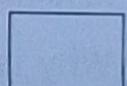
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39. State the role of water droplets in the atmosphere in the formation of a rainbow.

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40. Name any one crop growing practice that reduces hiding places for pests in the garden.

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SECTION.B. (60 MARKS)

41. Match the forms of electricity in A to their sources in B correctly.

A

Geothermal electricity

B

uranium

Solar electricity

fast flowing water

Atomic electricity

wind

Hydroelectricity

sun

hot springs

(i) Geothermal electricity

(ii) Solar electricity

(iii) Atomic electricity

(iv) Hydroelectricity

42. (a) How does keeping of cattle;

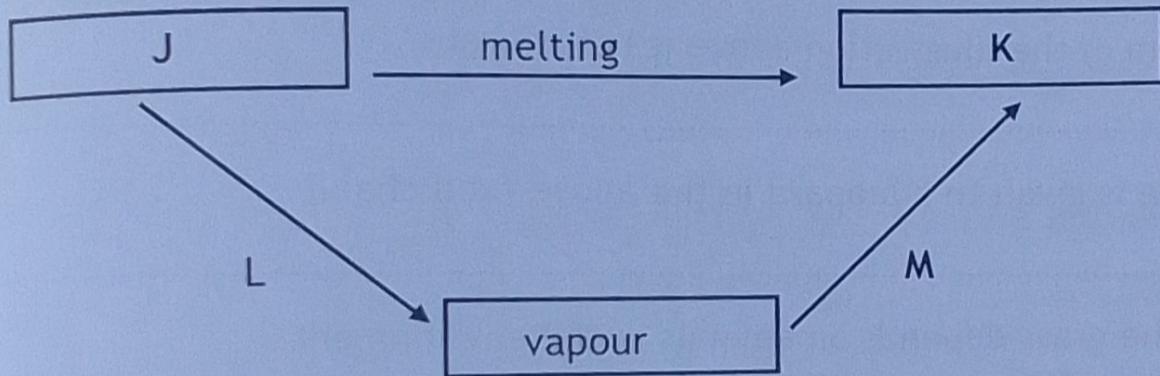
(i) improve human nutrition?

(ii) improve soil fertility?

(b) State any two ways of controlling outbreak of viral diseases in cattle.

- (i)
(ii)

The diagram below shows changes of states of matter. Use it to answer question 43.



43. (a) Name the state of matter marked;

- (i) J
(ii) K

(b) What form of energy is responsible for the change of state of matter marked L?

(c) How is the change of state of matter marked M important in a water cycle?

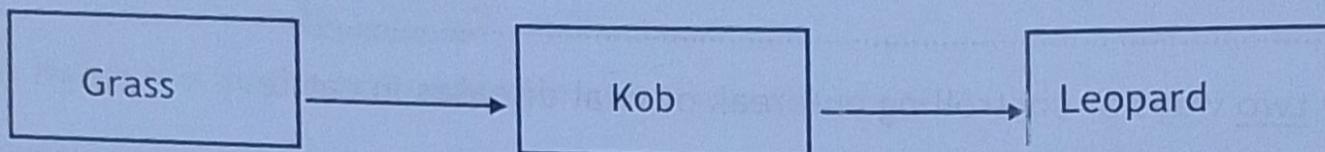
44. (a) Give any one reason why some patients stop taking prescribed medical drugs.

(b) Why should patients complete the prescribed dose of medical drugs?

(c) State any one factor considered when prescribing medical drugs.

(d) Give any one characteristic of essential drugs.

The illustration below is of a food chain. Use it to answer question 45.



45. (a) Name the producer in the illustration above.

(b) Which living organism in the illustration above is herbivorous?

(c) What scientific name is given to a leopard in the above food chain?

(d) Give any one way the grass depends on animals in the environment.

The table below has a description of arrangement of veins in two different leaves.
Use it to answer question 46.

A	B
- veins that cross one another - broad shaped leaves.	- veins that do not meet each other. - narrow shaped leaves.

46. (a) State the leaf venation described in A.

(b) Name any one food crop with leaf venation marked B.

(c) Which type of germination do plants with leaf venation marked A undergo?

(d) State any one function of leaves to plants.

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47. (a) What is excretion?

(b) Mention any two excretory organs in humans apart from kidneys.

- (i)
(ii)

(c) Suggest any one way of keeping your kidneys healthy.

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48. In PHC, people in a given community should work together to promote health in their community.

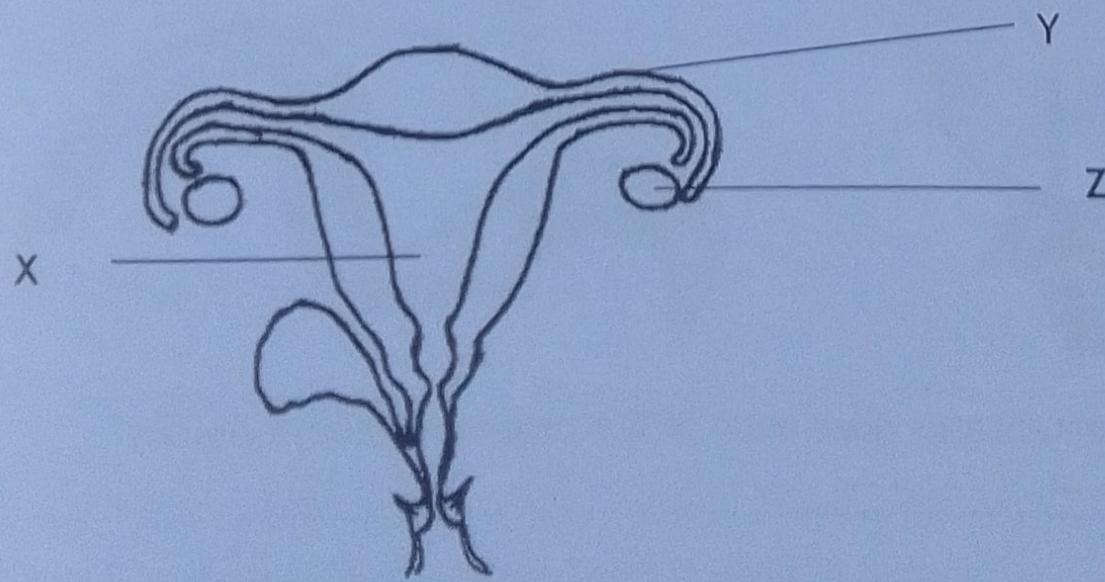
(a) Write any four community activities done by people to promote good health.

- (i)
(ii)

(b) In which two ways do the above activities promote good health?

- (i)
(iii)

The diagram below shows a female reproductive organ. Use it to answer question 49.



49. (a) Name the parts marked X and Z.

- (i) X
(ii) Z

(b) What process takes place in part marked Y?

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(c) Apart from producing ova, state one other function of part marked Z.

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50. (a) What is meant by the term soil erosion?

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(b) Give any two human activities which cause soil erosion in the environment.

- (i)
(ii)

(c) How does the practice of agroforestry help to control soil erosion in the environment?

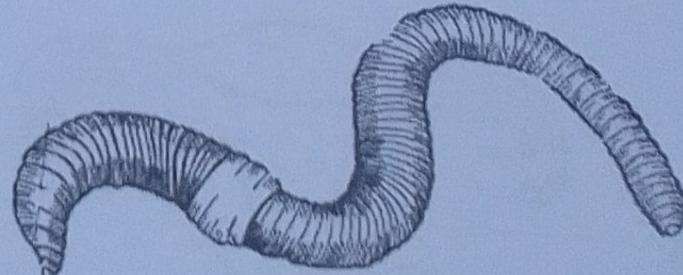
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The diagrams below show different organisms. Study and use them to answer question
51.

V



W



51. (a) To which group of invertebrates does each of the organisms above belong?
(i) V.....
(ii) W.....

(b) How is organism marked W useful in the environment?

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(c) Name any one other organism which belongs to the same group of invertebrates as organism marked V.

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52. (a) How does sound move from the source to the surrounding areas?

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(b) Explain briefly how reflection of sound occurs.

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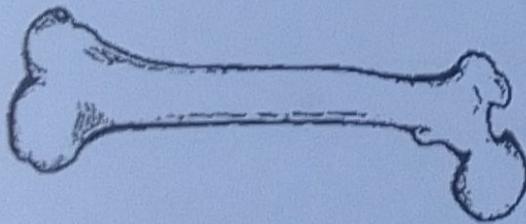
(c) What name is given to reflected sound?

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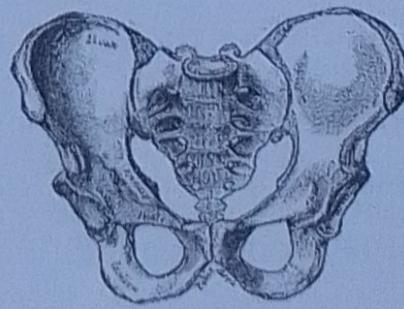
(d) Mention any one way of reducing reflection of sound in music studios and dance halls.

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The diagrams below show two different bones in humans. Study them and answer question 53.



S



T

53. (a) Identify the bones marked;

(i) S

(ii) T

(b) To which type of bones does bone marked S belong?

(c) Name any one disorder of human bones.

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54. (a) Which part of fish has similar function as ears in humans?

(b) State the function of each of the following parts to a fish;

(i) gills

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(ii) caudal/tail fin

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(c) How do fish reproduce?

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55. (a) What is fainting?

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(b) Name any two conditions that can result into fainting.

- (i)
- (ii)

(c) Briefly explain the recommended first aid for fainting.

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END

