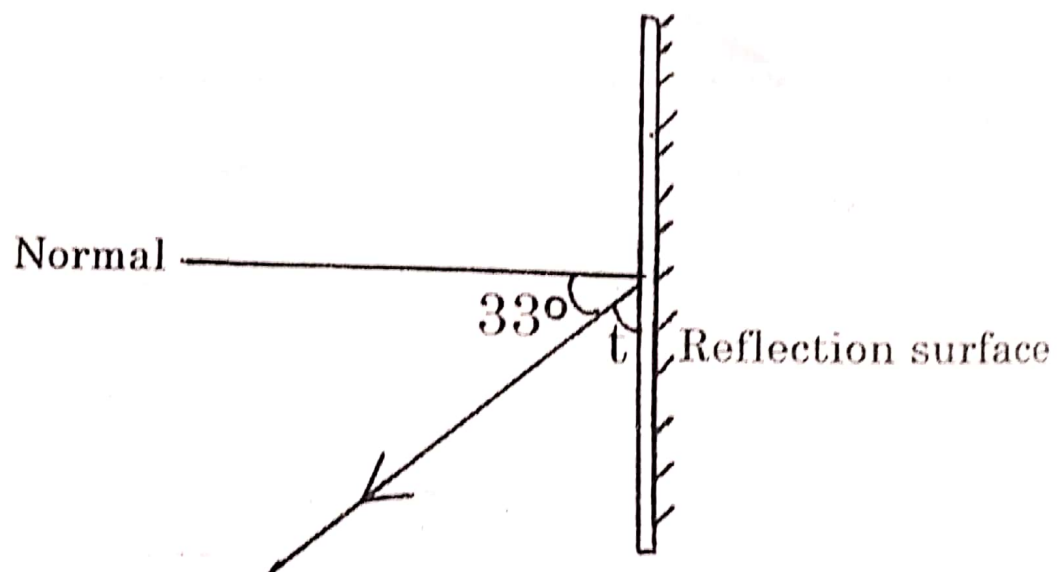


SECTION A (40 Marks)

1. Write down the vector that spreads yellow fever.
2. What happens to a passion fruit when it grows near a coffee tree?
3. State the injury caused by water to a human body.
4. Why is a sorghum grain grouped under monocotyledonous seeds?
5. Identify one STD that can cause infertility in women.
6. How does alcoholism affect the community?
7. Why does a stone sink in water?
8. State the process through which water turns into steam.

The diagram below shows a reflection of light. Study it carefully and use it to answer questions 9 and 10.



9. Use a pencil and a ruler to complete the diagram.
 10. Calculate the size of the angle labelled **t**.
-
11. By what means is soil formed?
 12. How can foot and mouth disease be controlled in cattle?

13. How does a spider get its food?

14. State any one food deficiency disease in man.

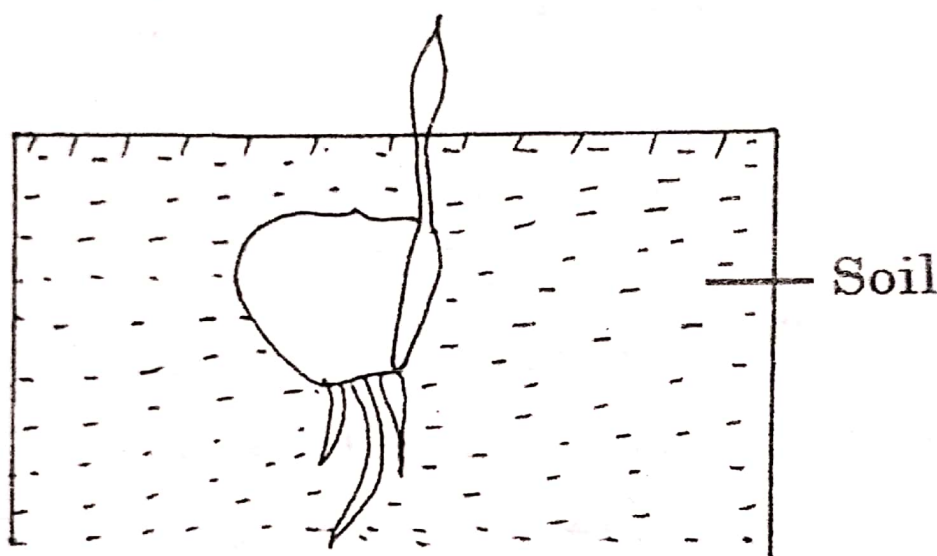
15. How can the spread of germs by houseflies be controlled?

16. Name the blood vessel which takes blood from the heart to the head.

17. Identify the sense organ in the human body which is responsible for tasting.

18. Which element of Primary Health Care helps to prevent the spread of COVID 19?

The diagram below shows a germinating seed. Study it carefully and use it to answer questions 19 and 20.



19. What type of germination is shown in the diagram?

20. To which group of flowering plants does the germinating seed belong?

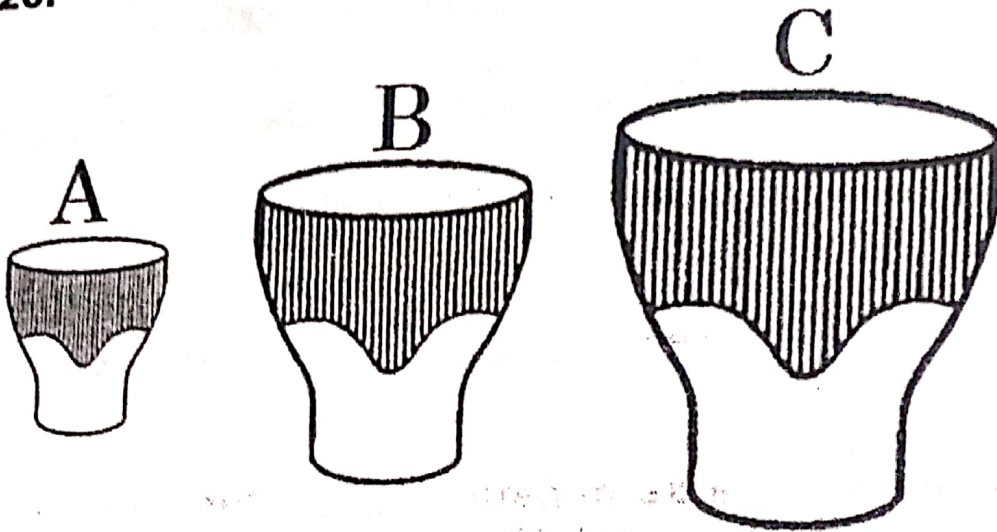
21. Give any one health practice which can improve the working of the heart.

22. State any one primary sex characteristic which can be found in adolescent girls.

23. Name any one mollusc which is a vector.

24. Why is docking carried out by sheep farmers?

The diagram below shows a set of drums. Use it to answer questions 25 and 26.



25. Which drum will produce the highest pitch of sound when hit?

26. How is the sound of a drum produced?

27. Why are ordinary pit latrines smoked?

28. How should essential drugs be stored?

29. Identify any one characteristic of seeds dispersed by wind.

30. What would happen when you swallow food before chewing it?

31. In which state of matter does heat travel the fastest?

32. Of what importance is the placenta during pregnancy?

33. Name the organ that regulates sugars in the body.

34. Which type of energy is produced by a dry cell?

35. How do reptiles reproduce?

36. Name the instrument which is used to measure the body temperature?

37. How is a biological change similar to a chemical change?

38. How do fish help in controlling the spread of malaria?

39. Name the immovable joint found in human beings.

40. How is friction prevented in joints?

SECTION B (60 Marks)

41. a) Give any one sign of:

i) a child suffering from kwashiorkor:

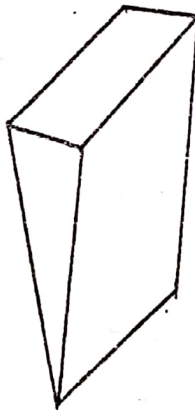
ii) a boy suffering from marasmus:

b) How would you advise the mother whose children are suffering from:

i) kwashiorkor:

ii) marasmus:

42. The diagram below shows a simple machine. Use it to answer the questions that follow.



a) Name the simple machine.

b) Give one example of a tool which belongs to the same type of machines.

c) Identify two applications of the above machine.

(i)

(ii)

43. a) Write any two examples of renewable resources.

(i)

(ii)

b) How can non-renewable resources be preserved?

(i) _____
(ii) _____

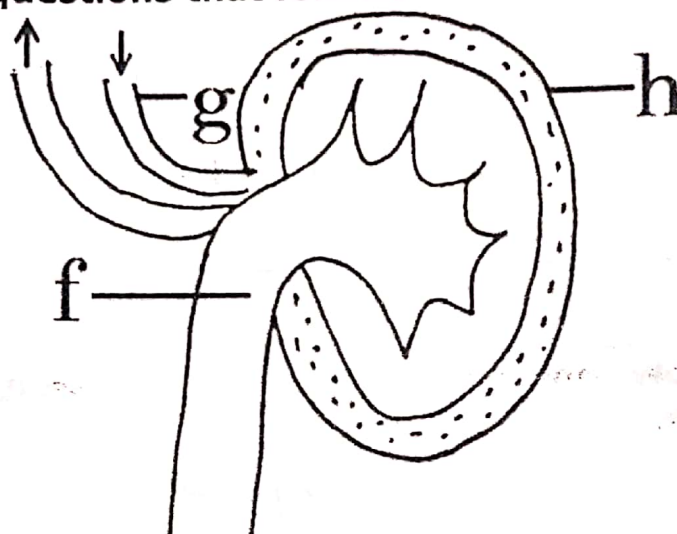
44. a) State any two groups of vulnerable people.

(i) _____
(ii) _____

b) Why do you think the groups of people stated above are called vulnerable?

c) Give any one vulnerable group and advise on how to care for it.

45. The diagram below shows the internal structure of a kidney. Use it to answer the questions that follow.



a) Name the parts labelled **f** and **g**.

(i) **f** _____

(ii) **g** _____

b) What is the function of the part labelled **h**?

c) To which body system does a kidney belong?

46. Apart from using solfa notation, write any other two ways of storing music.

(i) _____

(ii) _____

b) Give any two instruments used to produce music which is stored by solfa notation.

(i) _____

(ii) _____

47. In the space provided below, draw a simple electric circuit and label its four basic parts.

48. Give the meaning of the following processes.

i) Evaporation

ii) Freezing

iii) Condensation

iv) Sublimation

49. Match the groups of animals in list W with animals in list Z.

List W

Mammals

Birds

Reptiles

Amphibians

List Z

Lizard

Frog

Monkey

Ibis

i) Mammals: _____

ii) Birds: _____

iii) Reptiles: _____

iv) Amphibians: _____

50. a) Apart from wind, name any two parts of weather.

(i) _____

(ii) _____

b) State any one instrument found at the weather station.

c) Give any one importance of wind to the farmer.

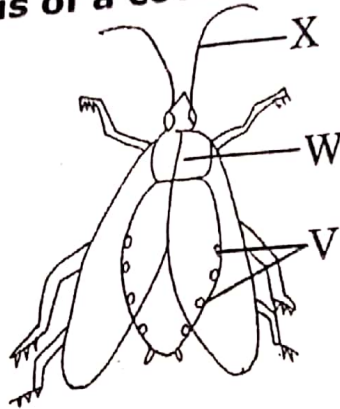
51. a) In the digestive system, where is alcohol absorbed?

b) What is the effect of alcohol to the human body?

c) Where does the digestion of food end?

d) How does typhoid affect the digestive system of the infected person?

52. The diagram below is of a cockroach. Use it to answer the questions that follow.



a) Name the parts labelled **X** and **W**

(i) X _____

(ii) W _____

b) Of what importance are the structures labelled **V** to the insect?

c) Identify any one danger of that insect to man.

53. a) In poultry, what is free range system?

b) Mention any two factors which may cause eggs not to hatch.

(i) _____

(ii) _____

c) How can vices in poultry be controlled?

54. Why should first aid be given? Give two reasons.

(i) _____

(ii) _____

b) Write any two importances of proper prescription of drugs.

(i) _____

(ii) _____

55. a) What are anti-social behaviours?

b) Give any two examples of anti-social behaviours in a school.

(i) _____

(ii) _____

c) How can anti-social behaviours be avoided by an adolescent girl or boy?