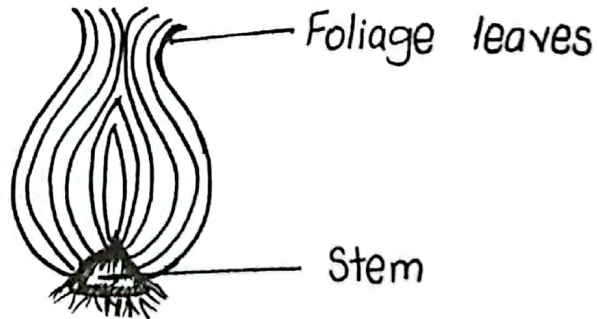


## SECTION A: 40 MARKS

1. Which type of fertilization does a bird undergo ?  
.....
2. Name the type of mosquito that spread elephantiasis to people.  
.....
3. Give an example of a harmless fungi in the environment.  
.....
4. Name **one** blood component which is destroyed by plasmodia germs.  
.....
5. State any **one** activity at home done to prevent diarrhoeal diseases.  
.....
6. How important is a lactometer on a dairy cattle farm ?  
.....  
.....

The diagram below shows an onion plant. Study it and use it to answer questions that follow.



7. How is the above plant propagated ?  
.....  
.....
8. Why is the person with severe diarrhea most likely to become dehydrated ?  
.....  
.....

9. Give the importance of halteres to an insect.

.....  
.....

10. State **one** way of maintaining soil fertility.

.....

11. In which way is food contamination in a home be prevented ?

.....  
.....

12. How is the application of splints useful to a casualty with a fractured bone in a leg ?

.....

13. State the importance of micropyle to a seed during germination.

.....

14. Identify any **one** organ of the human body which is destroyed due to excessive drinking of alcohol.

.....

**The diagram below shows eggs of an amphibian.**



15. Which amphibian lays the above eggs ?

.....

16 . Name the class of food from which the body gets energy.

.....

17. State the use of a wire mesh on a rabbit hutch.

.....

18. A part from fermentation, name **one** other method of making alcohol.

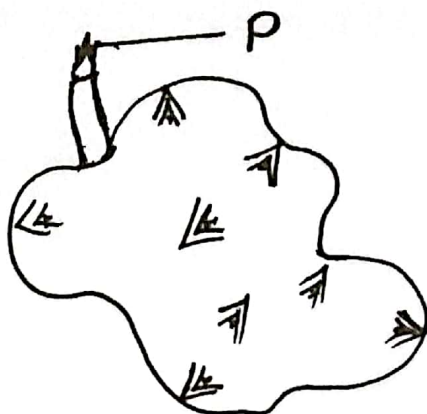
.....

**Turn over**

19. In which way can filtered water be made safe for drinking ?  
.....  
.....
20. Give **one** way of preventing garden tools from rusting.  
.....
21. Give **one** reason why we are advised not to use sharp objects when cleaning the ears.  
.....  
.....
22. Which type of feeds would you recommend for chicken kept for meat production ?  
.....
23. How is a constriction important on a clinical thermometer ?  
.....
24. Give **one** example of vulnerable groups of people.  
.....
25. Suggest **one** way how energy saving stoves help in environmental conservation.  
.....
26. The mass of an object is 27g and its density is 3 g/cc.  
Calculate its volume.  
.....
27. State any **one** way in which school going pupils can control the spread of AIDS.  
.....



The diagram below is of a tuber crop. Use it to answer questions 28 and 29.



28. Name the part marked P.

.....

29. To which group of tuber crops does the above tuber belong ?

.....

30. State **one** similarity between lungs in birds and stomata in plants.

.....

31. How is blood entering the venacava different from that coming out of the aorta ?

.....

32. Give **one** example of a coniferous plant.

.....

33. Which process in the human body involves the burning of food to release energy in the body ?

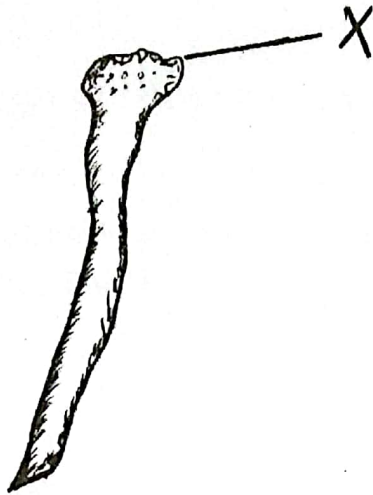
.....

34. Give any **one** method used to feed calves on a cattle farm.

.....

**Turn over**

The diagram below, shows part of a flower. Study it carefully and answer questions that follow.



35. Name the above part of a flower.  
.....
36. State the reproductive cells stored in part X.  
.....
37. How does photosynthesis reduce pollution in the atmosphere ?  
.....
38. Write **one** danger of wind to people.  
.....
39. State **one** living component of the environment.  
.....
40. Give the role of the sun during photosynthesis.  
.....

**SECTION B: 60 MARKS.**

41.(a) State the cause of each of the following malnutritional diseases;

.....  
i) Night blindness.....

.....  
ii) Rickets.....

.....  
(b) State any **one** sign of night blindness.

.....  
(c) Suggest any one way of controlling deficiency diseases for normal body functioning.

.....  
42. a) What term describes a person who depends on drugs.

.....  
b) Write down any **one** way in which drugs can be misused.

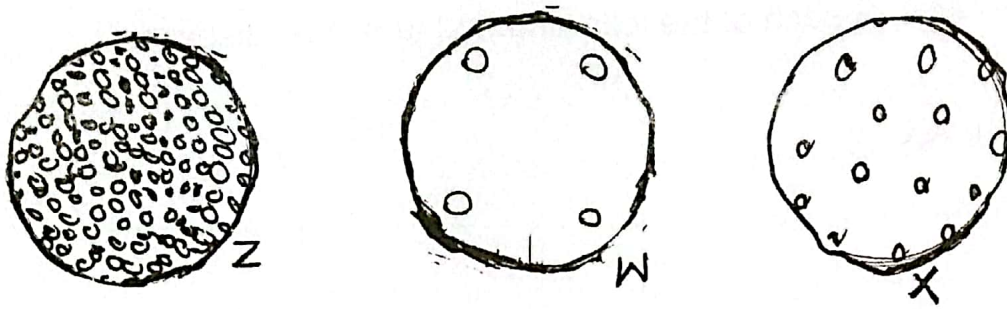
.....  
c) Mention any **two** examples of drugs commonly abused by people in your area.

i) .....

ii) .....

**Turn over**

43. The diagrams below show arrangement of molecules in different states of matter.



a) Name the states of matter marked;

i) Z.....

ii) X .....

b) Identify the state of matter with a strong cohesion force ?

.....

c) How are the arrangement of molecules in the state of matter Z different from that of W ?

.....

.....

44. a) What do you understand by the term seed dispersal ?

.....

.....

b) Give any **two** methods of seed dispersal.

i) .....

ii) .....

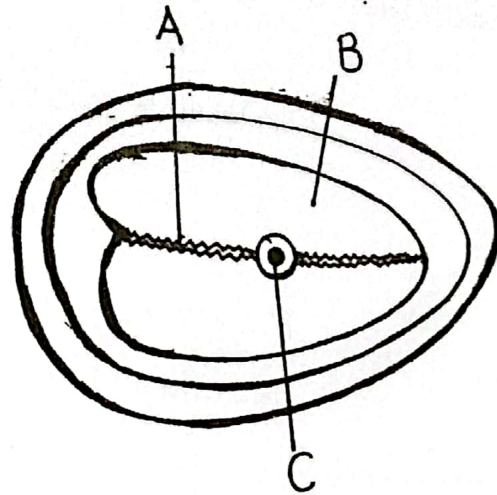
c) How is seed dispersal helpful in the environment ?

.....

.....



45. Below is the diagram of an egg. Use it to answer questions that follow.



a) Name the parts labelled with letters:

i) **A**: .....

ii) **B**: .....

b) Which part of an egg provides fats and proteins for the growing embryo ?

.....

c) Why is an egg shell porous ?

.....

.....

*Turn over*



**46. Match cattle diseases with their causative agents**

A		B
Cattle diseases		causative agent
Anaplasmosis		Bacteria
Black quarter		Virus
Brucellosis		Protozoa
Rinder pest		Bacteria

- a) Anaplasmosis.....
- b) Black quarter.....
- c) Brucellosis.....
- d) Rinder pests.....

**47.a) Give one characteristic that is common to all vertebrates.**

.....

**b) To which group of invertebrates does each of the following animals belong ?**

i) Snails .....

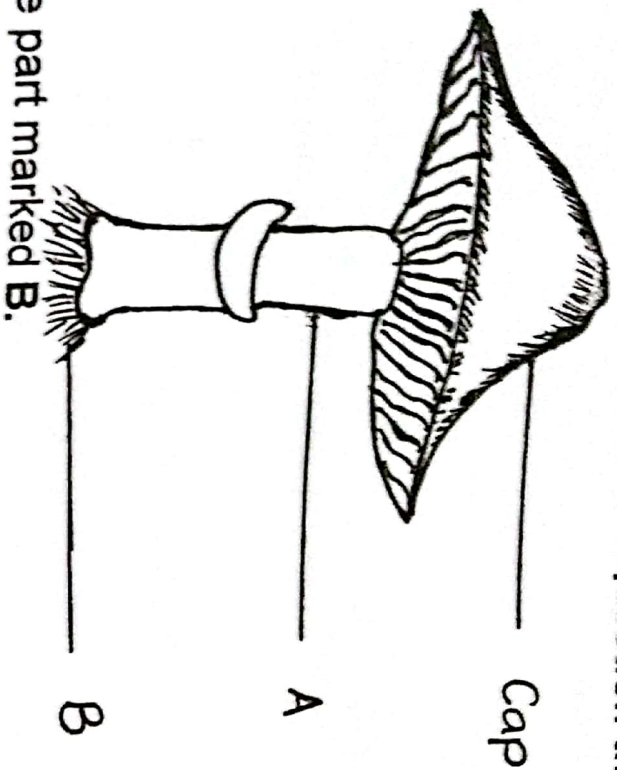
ii) Bees.....

**c) State the difference between insects and arachnids.**

.....

.....

48. Use the diagram below to answer the question that follow.



a) Name the part marked B.

b) How is that part marked A useful to a mushroom ?

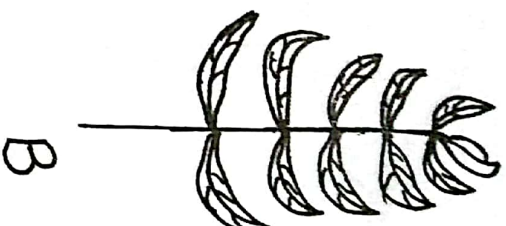
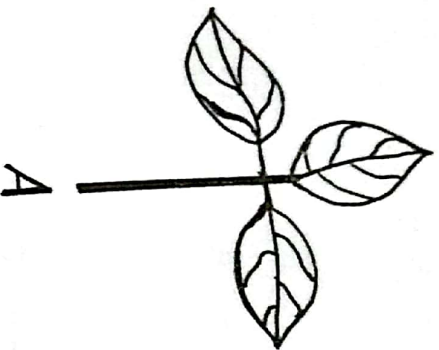
c) Besides mushrooms, give other two examples of fungi.

49.a) Give any two components of soil.

i) .....  
ii) .....  
b) Mention any one importance pf soil in the environment.

c) Why is loam soil good for crop growing ?

50. The diagrams below are plant leaves. Study them and answer the questions that follow.



a) Name the above leaves.

i) A.....

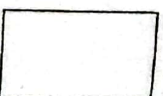
ii) B.....

b) Give any **two** functions of leaves to a plant.

i) .....

ii) .....

51.(a) What is a resource ?



.....

b) Give **two** examples of non-renewable resources.

i) .....

ii) .....

c) Identify **one** way of conserving water as a resource.

.....

52.a) Why do people grow crops ?

.....

b) Write any **two** examples of perennial crops.

i) .....

ii) .....

c) State any **one** way of harvesting perennial crops you have named in (b) above.

53. a) Name any **one** type of digestion.

b) Where does digestion of proteins begin ?

c) Mention any **one** disease that affects the digestive system.

d) Why is it advisable to wash hands with clean water and soap after visiting a latrine ?

54.a) What is pollination ?

b) Name any **one** living agent of pollination.

c) What happens to the following parts of the flower after fertilization ?

i) Ovules.....

ii) Ovary.....

55.a) Write down any **two** needs of expectant mothers (pregnant mothers)

i) .....

ii) .....

b) Where does conception take place in the human body ?

.....

c) Mention **one** disorder of the female reproductive system.

.....

**END**