

SECTION A:

1. Identify any one role of liver in the human body.

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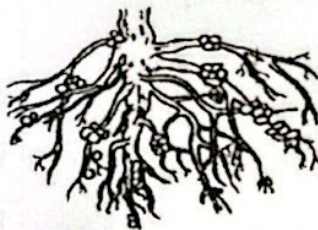
2. Write down any one fungal disease that affects the skin

.....

3. Give one way how lysozyme is important in the human eye.

.....
.....

The diagram below shows a type of root system Use it to answer the question that follows.



4. How do plants with the above root system improve soil fertility?

.....
.....

5. Briefly define the term velocity ratio of a machine

.....
.....

6. Mention the element of PHC that helps to control body smelling.

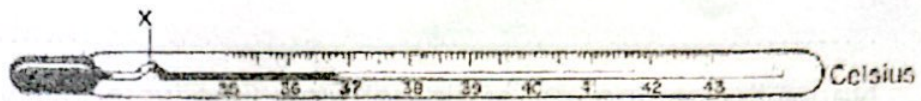
.....

7. Apart from bronze, identify any one other example of an alloy
.....
8. What situation may make a woman to regarded vulnerable person?
.....
9. State one importance of the muscles to animals.
.....
10. Name the component of air that turns lime water milky.
.....
11. How is a spore important to a mushroom?
.....
.....
12. Why should adolescents abstain from sex till marriage?
.....
.....
13. Mention any one bad health life style that affects the proper working conditions of body organs.
.....
.....
14. Which force causes objects to wear and tear?
.....

15. How does oiling of stagnant water help to reduce the spread of malaria in our communities?

.....
.....

The diagram below shows a clinical thermometer. Use it to answer the questions 16 and 17.



16. Name the part X in the above thermometer.
.....
17. How the function of part marked with letter X similar to that of valves in blood vessels?
.....
.....
18. How does Mulching improve the fertility of the soil?
.....
.....
19. Which body organ that detects that there is sugar imbalance in the body.
.....
20. How is wood seasoning important to carpentry activities
.....
21. How do cattle farmers make use of a strip cup.
.....

22. Give anyone danger of improper disposal of human excreta.

.....

23. Point out any one example of any sexual deviation in the community.

.....

The diagram below shows a garden tool. Use it to answer the question that follows.



24. State the use of the garden tool shown above.

.....

.....

25. Give one advantage of using charcoal saving stove.

.....

.....

26. Where does implantation take place in the female reproductive system?

.....

27. What is TT in full as used in vaccine administration?

.....

.....

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

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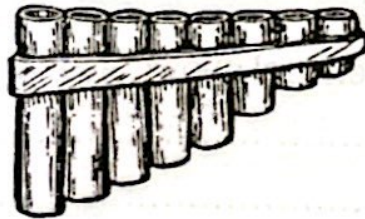
29. Which component of soil is formed as result of decomposition of organic matter?

.....

30. Which method of harvesting trees enables us to get timber?

.....

The diagram below shows a musical instrument. Use it to answer the question that follows.



31. How does the above musical instrument produce sound?

.....
.....

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

.....

33. What disease is caused a trachomatis chlamydia?

.....
.....

34. How does the use of ball bearings help to a vehicle Mechanic?

.....

.....

35. Identify the importance of a wetland to a pot maker.

.....

.....

36. Give any one animal whose one of its products is lard

.....

.....

37 Find the electric pressure in a torch that uses three drycells.

.....

38. Identify one effect of heat decrease on matter.

.....

39. How do eathworms promote the growth of crops in the garden?

.....

.....

40. What happens to the intercostal muscles when we exhale air?

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SECTION B

41 (a) What is meant by the term Invertebrates

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.....

(b) Write down any two examples of Flat worms

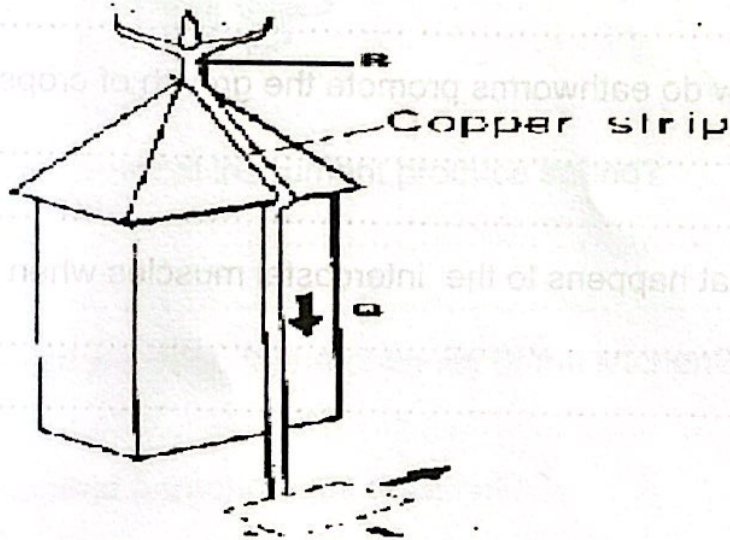
(i).....

(ii).....

(c) Give any one danger of hook worms to humans.

.....
.....

42. *The diagram below protection of the house against electricity. Use it to answer questions that follow.*



a) Name the device marked with letter R.

.....

(b) Identify the example of electricity prevented by the device in the diagram above.

.....
(c) Which electric charges are indicated by the movement at arrow Q?

.....
(d) Why does lightning strike tall objects?

.....
43 (a) What are enzymes in relation to digestion?

.....
(b) Mention any two characteristics of digestive enzymes.

(i).....

(ii).....

(c) Identify any one example of an enzyme that is found in succus entericus.

.....
44 (a) Give any two causes of soil exhaustion

(i).....

(ii).....

(b) Why is contour ploughing done in hilly area?

.....
.....

(c) What is meant by the term soil PH?

.....

.....

45 Write down any two of the particles of an atom

(i).....

(ii).....

b)Name the optical optical used to see very tiny object.

.....

(c) How do drunkard drivers lead to road accidents?

.....

.....

46 The table below shows a group of mammals in A and their examples in B

A	B
Chiroptera	Porpoises
Ungulates	Tasmanian devil
Cetaceans	Vampire bats
Marsupial	Wathog

(a) Write against each group below, its example from B

(i)Chiroptera.....

(ii)Ungulates.....

(iii)Cetaceans.....

(iv)Marsupials.....

(b) Identify the example of electricity prevented by the device in the diagram above.

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(c) Which electric charges are indicated by the movement at arrow Q?

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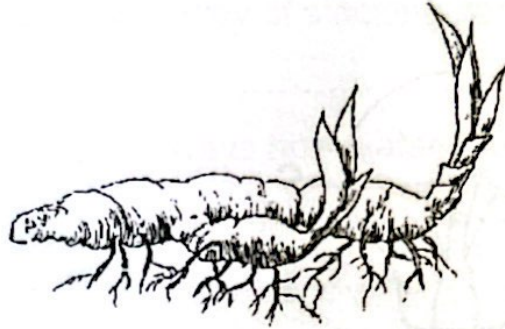
(i)Chiroptera.....

(ii)Ungulates.....

(iii)Cetaceans.....

(iv)Marsupials.....

47. The diagram below shows a plant with an underground stem .
Use it to answer questions that follow.



(a) Name one plant that has the above stem.

.....

(b) How are plants with the above stem propagated?.

.....

(c) State any one characteristic common to the above plant.

.....

(d) Name the root system in the above diagram.

.....

48. (a) Name any two methods used in collecting health data.

(i).....

(ii).....

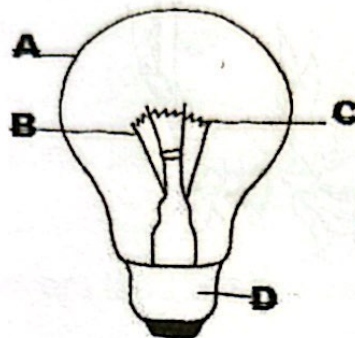
(b) Write down one example of information collected during a health survey.

.....

(c) Identify one importance of carrying out demography in communities.

.....

49. The diagram below shows an electric bulb. Use it to answer questions that follow.



(a) What is the function of part marked with letter **B** ?

.....

(b) How is part marked with letter C adapted to its function?

.....
.....

(c) Identify the energy change that takes place when the electric bulb is working.

.....

(d) Apart from a burning candle, mention any one other incandescent source of light in the environment.

.....
.....

49 (a) State any two uses of bee wax to man

(i).....

(ii).....

(b)What process enables drone bees to develop from unfertilized eggs?
.....

(c) Identify one way of stocking bee hive.
.....

51. (a)Identify two ways how water is used as an energy resource.

(i).....

(ii).....

(b)Apart from uranium, give any one other example of radio active minerals.

(i).....

(c)What term describes the way how fossil are formed?
.....

52. a)What scientific term describes the practice of rearing rabbits?
.....

(b) Mention any two advantage of using a caged hutch in rabbit keeping.

(i).....

(ii).....

(c) State the difference between calving and farrowing as used in animal management.
.....
.....

53 (a) What is the use of wind in the environment?

.....
.....

(b) Identify one way in which the property air exerts pressure is important in our daily life:

.....
.....

(c) Mention any two uses oxygen to man apart from respiration.

(i).....

(ii).....

54. a) Identify one indicator sickness in pigs

.....

b) Give any two systems used for rearing pigs in Uganda.

(i).....

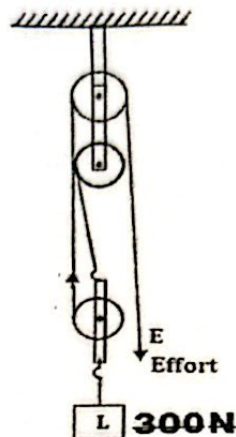
(ii).....

c) Define the term steaming up as used in piggery?

.....

.....

- 55 The diagrams below show a pulley system. Use it to answer questions that follow.



(a) Name the pulley system above.

.....
.....

(b) Complete the above pulley system by putting the remaining rope and and "E" and arrows

.....

(c) State one importance of pulleys in our daily life.

.....

(d) Calculate the effort needed to over come the load in the above pulley system.

.....

GOOD LUCK