

SECTION A

1. What is an electric circuit?

2. Mention the element of weather used in winnowing.

3. Why is cassava classified as a root tuber?

4. Give one way the process of dehydration is useful in daily life?

Study and use the diagram below to answer questions 5 – 6



5. Name the organism shown above.

6. To which group of organism does it belong?

7. What term is used to refer to the reflected sound?

8. Why is tuberculosis called a communicable disease?

9. What is a skeleton? _____

10. What is a magnet?

11. State any one difference between solids and gases.

12. Name a germ that causes trachoma.

13. In the space below draw of a simple diagram of a canine tooth.



14. How is the above tooth adapted to its function?

15. Why is the dry season the best for harvesting cereal crops?

16. Name the disease that affects the udder and teats in cattle.

17. Which digestive disorder is faced by a person without premolar teeth?

18. How are cetaceans protected from the cold in their habitat?

19. Besides tetanus, name one disease eliminated using DPT vaccine.

20. Mention one adaptation of the heart to blood circulation.

21. How do plants make use of the water they absorb from the soil?

22. In which way can tins containing water be a danger in our environment?

23. Which principle makes distillation method suitable for separating alcohol from water? _____

24. Give one difference between sound and light.

25. In which state of matter does sound travel fastest?

26. Mention the best method of controlling vices in poultry.

27. How is maternal and child health care an important element of P.H.C?

28. Give one functional difference between veins and arteries.

Study and use the diagram shown below to answer the questions that follow.



29. How is the above seed dispersed?

30. Give one reason to support your answer in (29) above.

31. Why is a goat referred to as a ruminant?

32. State any one cause of road accidents.

33. Name one material used to make litter in a poultry house.

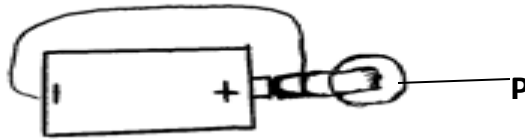
34. What is apiculture?

35. How can loosening the string of a musical instrument affect the pitch of sound?

36. Jane left an inflated balloon under hot sun, after sometime she found the balloon had burst. What property of air led to the bursting of the balloon?

37. In which part of the body does respiration take place?

38. **Use an arrow to indicate the flow of current in the diagram below.**



39. What energy change takes place in part **P** when the connection is complete?

40. Give one example of a ball and socket joint in the human body.

SECTION B

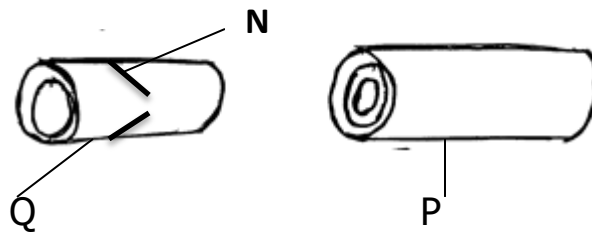
41(a) What name is given to a mixture of two or more metals?

(b) Give any one example of a common mixture of metals.

(c) Why is coal regarded as a fuel?

(d) State any one method of controlling soil erosion in hilly areas.

43. The diagram below shows blood vessels. Study and use it to answer the questions that follow.



(a) name the blood vessels marked with letters **P** and **Q**

(i) **P:** _____ (ii) **Q:** _____

(b) What type of blood is mainly carried by blood vessel Q?

(c) How are the structures marked **N** important to vessel **Q**.

44(a) Give the difference between heat and temperature.

(b) How does heat from the sun reach a monkey on a tree?

(c) Name any one use of heat energy in our daily life.

(d) Give one effect of heat on matter. _____

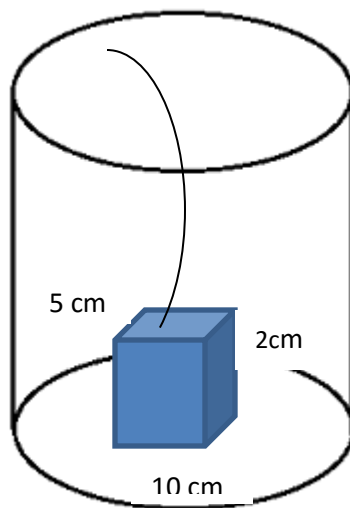
45(a) What are regular objects? _____

(b) Why does a nail sink in water?

(c) The box below was lowered in a measuring cylinder and it displaced water.

If the box has a mass 200g, calculate the density of the box.

(2 marks)



46(a) What are farm records? _____

(b) Give any one type of farm records. _____

(c) State the importance of farm records.

(i) _____

(ii) _____

47(a) Why is it difficult to control poultry diseases in a free range system?

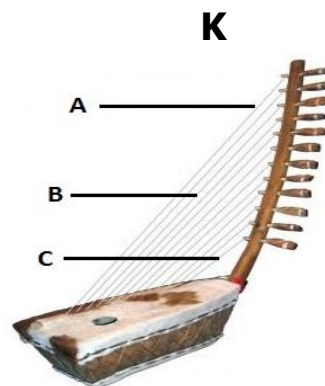
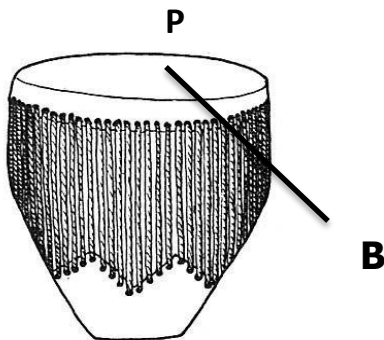
(b) Apart from free range system, name any other two systems of keeping poultry.

(i) _____

(ii) _____

(c) Give one danger of litter in a poultry house.

48. **Below are diagrams showing musical instruments. Study and use them to answer the questions that follow.**



(a) Name the musical instrument **K**. _____

(b) How does musical instrument **P** produce sound?

(c) To which group of musical instrument does **P** belong?

(d) How is the function of **A** similar to that of **B**?

49(a) Explain the following terms:-

(i) Solute: _____

(ii) Solvent: _____

(b) What name is given to a uniform mixture of two or more substances?

(c) Why is washing hands an important step when preparing ORS?

50(a) What is excretion? _____

(b) Give one example of excretory organ.

(c) Name any two human excreta.

(i) _____ (ii) _____

51(a) Mention one example of bacterial and viral disease in cattle.

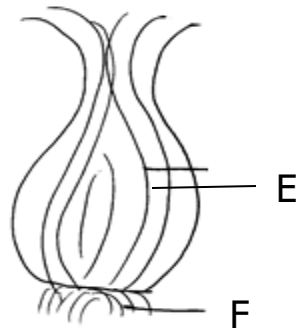
(i) Bacterial disease. _____

(ii) Viral disease: _____

(b) How is a dip – tank useful on a cattle farm?

(c) Give a difference between drenching and dozing as used in cattle management. _____

52. The diagram below is of an onion. Use it to answer the questions that follow.



(a) Name the parts marked **E** and **F**.

(i) **E**: _____ (ii) **F**: _____

(b) Give the function of foliage leaves to an onion.

(c) What type of root system does an onion have?

53(a) Point out any two reasons why some people drink alcohol.

(i) _____

(ii) _____

(b) Write down two methods used to produce alcohol.

(i) _____

(ii) _____

54(a) What is a flower? _____

(b) How is the function of a stigma different from that of the anther head?

(c) Give two uses of flowers to people.

(i) _____

(ii) _____

55. Outline the steps taken to recover salt from sand.

(i) _____

(ii) _____

(iii) _____

(iv) _____

End