

SECTION A (40MARKS)

Question 1 to 40 carry one mark each.

1. What component of a food chain do caterpillars belong ?

.....

2. Mention any **one** natural means in which the human body acquires immunity.

.....

3. Give **one** way in which termites benefit from the soil.

.....

4. Why are fire extinguishers at school placed in open areas ?

.....

5. Write **one** way in which adolescent boys and girls manage body changes they experience.

.....

6. State **one** function of the kidneys in the human body.

.....

7. Which class of simple machines is put on pathways of a storied building to enable easy movement of people ?

.....

8. Apart from being a source of food, write **one** other importance of cassava plants to people.

.....

9. Give **one** physical difference between dairy and beef breeds of cattle.

.....

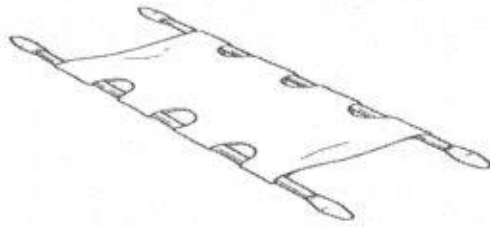
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10. Write **one** message you would design to promote conservation of trees in the environment.

.....



The diagram below show an equipment used in administration of first aid. Use it to answer questions 11 and 12.



11. Name **one** local material from which the above equipment can be made.
-
12. Why should the above equipment be made using stronger materials ?
-
13. Give **one** use of biogas to people.
-
14. Which part of the root system protects the growing tip of the main root from mechanical damage ?
-
15. State the role of wires in the working of simple electric circuits.
-
16. Mention **one** danger of failure to change litter in a poultry house regularly.
-
17. What advice can you give to people in your community in order to protect themselves from drug overdose ?
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18. How do monotremes differ from other mammals in the environment ?

.....

.....

19. State any **one** way in which people improve the taste of cooked food.

.....

20. Mention **one** component of Oral Rehydration Solution (ORS).

.....



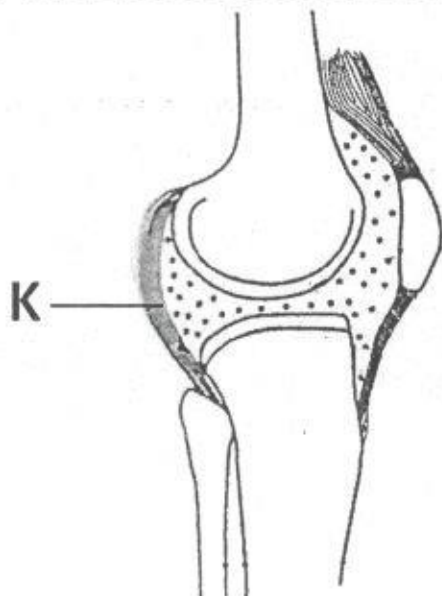
21. Why is it recommended to remove a shade from a nursery bed some days before transplanting is done ?

.....

22. State **one** property of liquid state of matter.

.....

The diagram below shows a movable joint in the human body. Study and use it to answer questions 23 and 24.



23. On the diagram above, use letter **M** to show **one** part that reduces friction.

.....

24. Give the function of structure marked **K** in movable joints.

.....

25. State **one** disadvantage of using thermal electricity as a source of energy.

.....

26. Why do people drain stagnant water around their homes ?

.....

27. In which **one** way do crop farmers increase humus in their gardens ?

.....

28. What type of breathing removes carbon dioxide and water vapour from the lungs ?

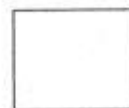
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29. Give **one** factor which can lead to alcoholism among youths in the community.

.....

30. Mention **one** way in which stocking of beehives is done.

.....



31. What stage of growth and development do sweat glands become more active in people ?

.....

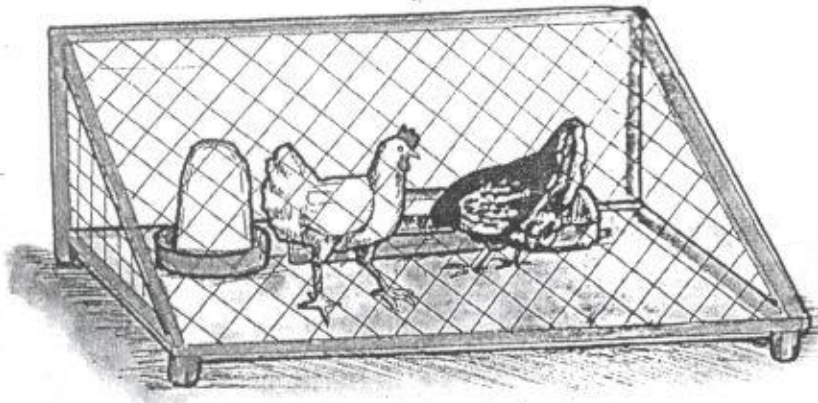
32. How does rinsing prevent clothes from getting stained after drying ?

.....

33. Give **one** way of controlling sexual immorality in primary schools.

.....

The diagram below shows a system of keeping poultry at home.
Use it to answer questions 34 and 35.



34. Name the system of keeping poultry above.

.....

35. Give **one** benefit of using the system above in keeping poultry.

.....

36. How are ventricles important in the human heart ?

.....

37. State **one** way of promoting community hygiene.

.....

38. Name the food deficiency disease associated with ox-bow and knock knee legs in children.

.....

39. Write **one** way of protecting knives from rusting.

.....

40. Why does a wet black coloured dress dry faster than a white one ?

.....

SECTION B (60 MARKS)

question 41 to 55 carry four marks each.

41(a) Write **two** forms of wood fuel.

(i)

(ii)

(b) Which form of energy is stored in wood fuel ?

.....

(c) Give **one** way of conserving wood fuel at home.

.....

42(a) Apart from yeast, write **one** other useful fungi in the environment.

.....

(b) State the role of yeast in fermentation of alcohol and baking of bread.

(i) Fermentation of alcohol

.....

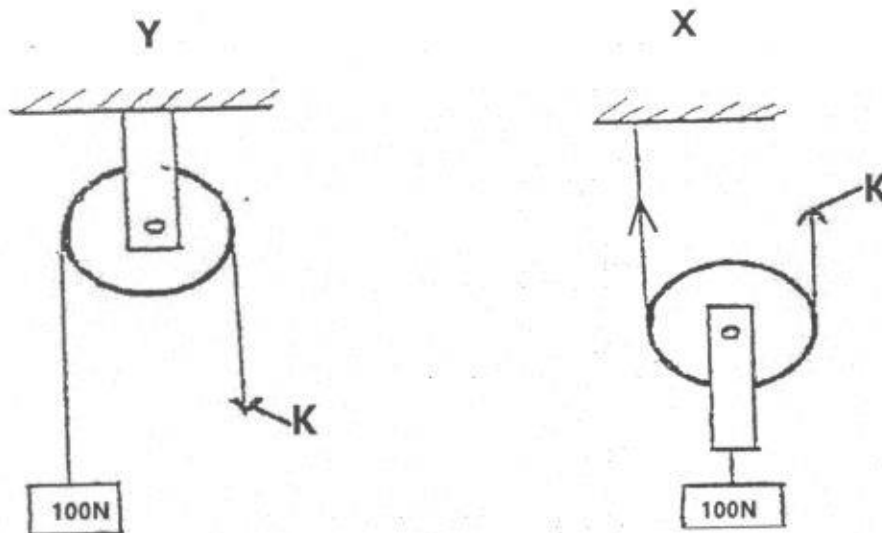
(ii) Baking of bread

.....

(c) Why are fungi grouped under saprophytes ?

.....

43. The diagram below shows pulley systems used to overcome the same load of 100N. Study and use it to answer questions that follow.



- (a) What do arrows marked **K** on the two diagrams represent ?

.....

- (b) Give **one** way in which pulley **Y** simplifies work.

.....

- (c) Work out the effort required to overcome the load using pulley **K**.

(2 marks)



44(a) Write **two** things one is supposed to check for before eating any packaged food.

(i)

(ii)

(b) Explain why food cannot go bad by the action of bacteria when stored in the following areas.

(i) refrigerators

.....

.....

(ii) cool dry areas

.....

.....

45(a) Mention **one** organism which forms living organisms as a component of soil.

.....

(b) Which process of soil formation is aided mainly by living organisms in the soil ?

.....

(c) How do living organisms in the soil make soil suitable for proper plant growth ?

.....

(d) In which way does poor disposal of polythene bags affect the life of living organisms in the soil ?

.....

46(a) Why does moulting occur in animals ?

.....

(b) State the way in which moulting occurs in:

(i) birds

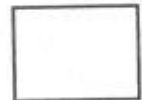
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(ii) reptiles

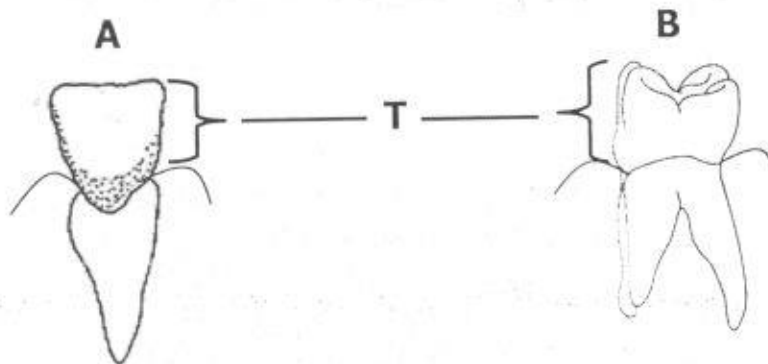
.....

(c) Apart from moulting, give **one** other characteristic common in both birds and reptiles.

.....



47. Use the diagrams of the human teeth below to answer questions that follow .



(a) Name the type of teeth in diagram **A**.

.....

(b) Which region of the human teeth is marked **T** ?

.....

(c) State the way in which tooth B is able to do its work.

.....

(d) Write **one** practice which promotes proper functioning of the human teeth.

.....

48. The table below shows elements of **PHC** in part **K** and activities which promote them in part **L**.

Part K	Part L
Information and health education	Feeding on a balanced diet
Maternal and child health care	Constructing rubbish pits for proper disposal of organic wastes.
Water and sanitation	Taking expectant mothers for antenatal care
Food and nutrition	Displaying messages about good health habits on billboards

Match the elements in part **K** with the activities in part **L** correctly in the space below.

- (a) Information and health education:

.....
.....

- (b) Maternal and child health care:

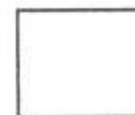
.....
.....

- (c) Water and sanitation:

.....
.....

- (d) Food and nutrition:

.....
.....



TURN OVER

49(a) Give **two** factors a cattle farmer considers in selective breeding.

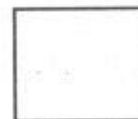
(i)

(ii)

(b) State **two** ways of improving productivity in cattle.

(i)

(ii)



50(a) What causes tuberculosis ?

.....

(b) Give **two** effects of tuberculosis to an individual.

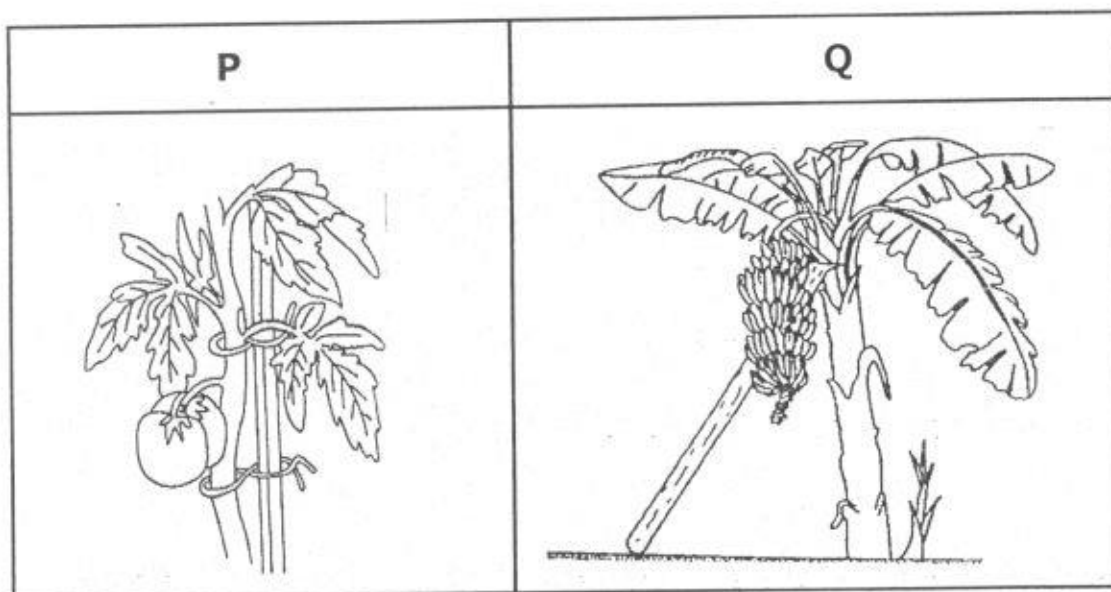
(i)

(ii)

(c) Mention **one** way of controlling the spread of tuberculosis without using vaccines.

.....

51. The diagram below shows methods of plant training used in crop growing. Study and use it to answer questions that follow.



(a) Identify the methods of plant training above.

(i) **P**

(ii) **Q**

(b) Give **two** reasons why plant training is done in crop growing.

(i)

(ii)

52. A child poured salt in sand. The jumbled sentences below show the steps the child's mother followed to separate salt from sand.

- (a) Filtered the mixture to get salt solution.
- (b) Added clear water in the mixture of sand and salt in a saucepan.
- (c) Heated the salt solution on a saucepan to dryness to get salt crystals.
- (d) Stirred the mixture for salt to dissolve in water.

In the space provided below, rewrite the above sentences in a correct order to show how the mother recovered salt the child poured in sand.

- (i)
- (ii)
- (iii)
- (iv)



53(a) Mention **two** types of smoking.

- (i)
- (ii)

(b) Give **one** reason why the government discourages smoking in public places.

.....

(c) State **one** life skill that safeguards one against smoking.

.....

54(a) Name **one** example of a parasitic worm.

(b) State **two** dangers caused by parasitic worms to people.

(i)

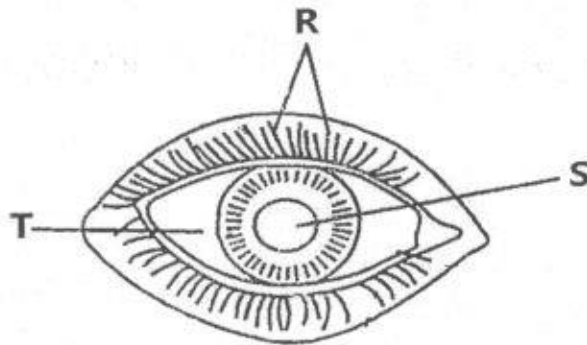
(ii)

(c) What advice can you give to people in order to protect themselves from parasitic worms?

.....



55. Use the diagram of the human eye below to answer questions that follow.



(a) Name part labelled **T**.

.....

(b) Give the function of parts labelled **R** and **S**.

(i) **R**

(ii) **S**

(c) State **one** way of caring for the human eyes.

.....

END
Success !

