

## SECTION A (40 MARKS)

1. Name the biological change that causes growth in insects.  
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2. How can the pitch of sound produced by a flute be varied?  
.....
3. Name the type of hutch that has the same features as the fold system of keeping poultry.  
.....
4. Name any **one** intestinal worm which cause malnutrition in an individual.  
.....
5. List down any **one** place where bacteria can be found.  
.....
6. Give any **one** tuber crop that can be affected by bacterial blight disease.  
.....
7. How does pouring oil on stagnant water control the outbreak of malaria?  
.....
8. In which way is coal useful to road builders?  
.....
9. Why do road builders pour small stones on murram roads?  
.....

**The diagram below shows a leaf of a certain drug. Study and use it to answer questions 10 and 11 correctly.**



10. Identify the narcotic drug whose leaf is shown above.  
.....
11. State any **one** way in which people abuse the above narcotic drug.  
.....
12. Where in the human body does respiration occur?  
.....
13. Why does the human skin develop goose pimples during cold weather?  
.....

14. Mention any **one** reason why honey harvesting should be done during day time.

.....  
**The diagram below shows a human body organ. Use it to answer questions 15 and 16 correctly.**



15. Name the human body organ shown above.

.....  
16. Give any **one** function of the human body organ shown above.

.....  
17. How does gonorrhoea increase the chances of a person contacting HIV/AIDS?

.....  
18. Ligament is 35kgf. If she sits 2cm away from the pivot and balances with cartilage who sits 5cm away from the pivot, calculate cartilage's mass.

19. Why is it dangerous to have long fingernails on the hands?

.....  
20. To which group of tuber crops do beetroots belong?

.....  
21. How is reproduction in a dove similar to that of a spiny anteater?

.....  
22. State any **one** characteristic of a healthy person.

.....  
23. Give any **one** example of a primary sex characteristic among adolescent.

24. Apart from equal distribution of health care services, give any one other principle of Primary Health Care.

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25. How can electric shocks be prevented in a home?

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**The diagram below shows a step involved in cleaning clothes at home. Study and use it to answer the questions correctly.**



26. Name the step of cleaning clothes shown above.

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27. Identify any **one** importance of the above step as used in cleaning clothes.

.....

.....

28. Give any **one** benefit of a woodlot to a community.

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.....

29. In which **one** way is the human heart adapted to its function?

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.....

30. What is soil erosion?

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.....

31. Give **one** effect of physical changes caused by earthquakes.

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.....

32. State any **one** functional similarity between the kidneys and the skin.

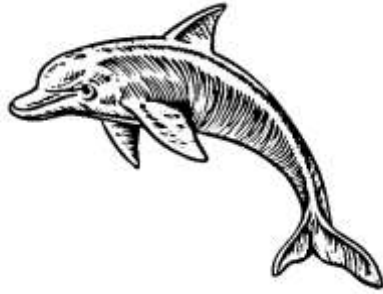
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33. Identify **one** sign and symptom of Newcastle disease among poultry.

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The diagram below shows a sea animal. Use it to answer questions 34 and 35 correctly.



34. Name the above animal.

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35. How is the above animal able to live in water?

.....

.....

36. Give any **one** way in which crop farmers care for their crops during the wet season.

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37. Why are hamstring muscles regarded as voluntary muscles?

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.....

38. Give **one** effect of heat gain on matter.

.....

39. How can **one** identify a legume from other dicotyledonous plants?

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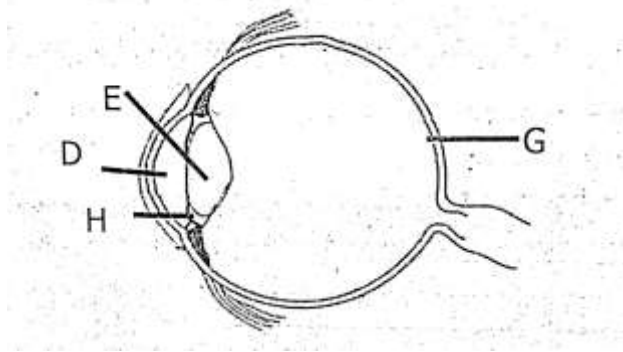
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40. Which method of grazing cattle involves the use of electricity?

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## SECTION B (60 MARKS)

41. The diagram below shows the structure of the human eye. Study and use it to answer the questions that follow.



a) Name the parts marked **E** and **G**.

i) **E** ..... ii) **G** .....

b) Give the function of part **H** in the human eye.

.....  
.....

c) Identify **one** way of caring for the human eye.

.....  
.....

42. a) What is a joint?

.....  
.....

b) Give any **two** functions of joints in the human body.

i) .....

ii) .....

c) Identify any **one** type of movable joint.

.....  
.....

43. a) State the meaning of the term food taboo.

.....  
.....

b) Give any **two** religious food taboos observed by people in your community.

i) .....

ii) .....

c) Mention any **one** effect of food taboos to the health of children.

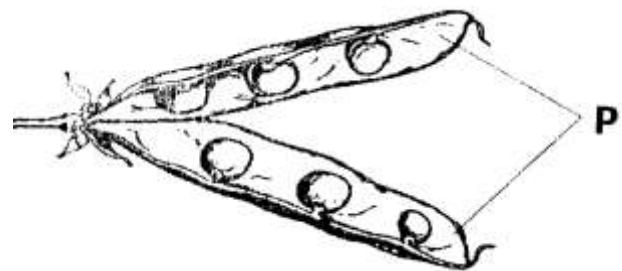
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44. The diagram below show activities done to promote personal hygiene. Study and use them to answer the questions that follow.



- a) Identify the personal hygiene activities done by the persons at **R** and **S**.
- i) **R** ..... ii) **S** .....
- b) State any **two** reasons why the person at **T** is carrying out that activity.
- i) .....  
ii) .....
45. In **four** brief sentences, describe the steps you can take in order to make charcoal.
- a) .....  
b) .....  
c) .....  
d) .....
46. a) Write down any **two** organic materials used when making compost manure.
- i) .....  
ii) .....
- b) Besides compost manure, name any **two** other examples of natural fertilizers.
- i) .....  
ii) .....

47. The diagram below shows a method of seed dispersal. Use it to answer the questions that follow.



- a) Identify the method of seed dispersal shown in the diagram above.  
.....
- b) State any **one** factor that makes the structure marked **P** to split during seed dispersal.  
.....
- c) Name any **two** other plants whose seeds are dispersal through the diagram above.  
i) .....  
ii) .....
48. In the table below, part **A** shows practices carried out in farm animals and part **B** has the importance.

| Part A: Practices | Part B: Importance                      |
|-------------------|---|
| Steaming up       | Reduces injuries to other animals       |
| Castration        | Controls foot rot disease               |
| Hoof trimming     | Controls inbreeding                     |
| Dehorning         | Stimulates milk production and let down |

- Use the importance in **B** of the table to match the practices below correctly.
- a) Steaming up .....
- b) Castration .....
- c) Hoof trimming .....
- d) Dehorning .....
49. a) Give any **two** signs of parasites in rabbits.  
i) .....  
ii) .....  
b) State **one** effect of parasites to rabbits.  
.....  
c) Mention any **one** way of controlling parasites in rabbits.  
.....

50. a) Why is rainfall measured in millimetres?

.....  
.....

b) How are the following components important on a rain gauge?

i) Funnel .....

ii) Measuring cylinder .....

iii) Bottle .....

51. a) Why is the inside part of an electric bulb coated with white powder?

.....

b) State the function of the coiled filament in an electric bulb.

.....

c) Identify any **two** conditions that can cause an electric bulb fail to produce light in an electric circuit.

i) .....

ii) .....

52. a) Name the germ that causes cholera.

.....

b) Explain why cholera is common in heavily populated communities.

.....

.....

.....

.....

c) Mention **one** way of controlling the spread of cholera in the communities in **(b)** above.

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53. a) Give any **two** reasons why people eat food.

i) .....

ii) .....

b) Identify any **two** values of food in the human body.

i) .....

ii) .....

54. a) What are plant fibres?

.....

.....

.....

b) Identify **two** examples of plant fibres.

i) .....

ii) .....

c) State **one** way of conserving plants as a resource in the environment.

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55. a) Name the largest vein in the human body.

.....

b) Name the type of blood that is transported by the pulmonary artery.

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c) State **one** characteristics of arteries that enable them to transport blood at a high pressure.

.....

d) Give **one** way in which the structure of capillaries enables them to exchange body materials.

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**END**