

SECTION A

Questions 1 to 40 carry one mark each

1. Name the part of a worker bee that produces wax.
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2. Give any one way in which washing of fruits and vegetables helps to control worm infestations.
.....
3. Mention any one danger of short circuits.
.....
4. Explain any one use of bacteria that are commonly found in carcasses.
.....
5. State the reason why it is not advisable to pour insecticides or acidic substances in latrines.
.....
6. Suggest any one way the government can control spread of rinderpest in cattle once it breaks up in an area.
.....

The diagram below shows a soda bottle. Study it carefully and answer the questions that follow.



7. State the reason why small space is left in a soda bottle during bottling of drinks.
.....
.....
8. Name the component of air used in bottling soda.
.....
9. Identify the chemical in tobacco that readily combines with hemoglobin.
.....
10. State any one reason why clothes dry faster on a dry and windy day than on a cold day.
.....
.....
11. Cite the gestation period of a sow.
.....
12. Name the name chemical burning of food in the body.
.....
13. Write down the type of refraction that leads to the formation of a mirage.
.....
14. Give any one example of a multipurpose tree in the environment.
.....
15. State the habitat of beard worms.
.....

16. How does the skin cool the body on a hot day?

.....

17. State any one reason why young girls are discouraged from engaging in sexual intercourse.

.....

18. Give the function of gall in the digestive system of a bird.

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19. State simple method used to distinguish a bad egg from a good egg for incubation.

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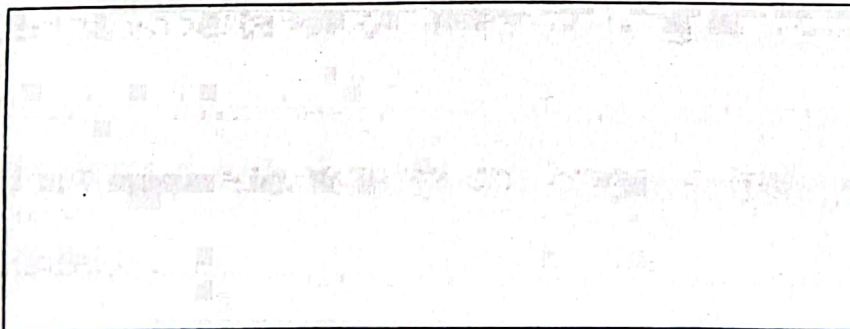
20. Name the vaccine for diarrhoea in babies.

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21. State any one importance of Vitamin B1 in the body.

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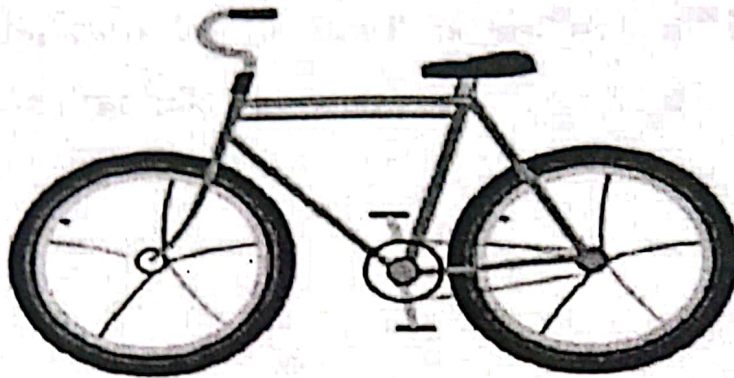
22. Draw any and name one percussion instrument in the space below.



23. State any one danger of polythene bags to the soil.

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The diagram below shows a bicycle. Study it and use it to answer the questions 23 and 24



24. Give any one reason why a bicycle is grouped under complex machines.

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25. Musa left this bicycle under the hot sun, after some time, the bicycle tyre burst. What does this tell us about air?

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26. Give the importance of breast-feeding to mothers.

.....

27. Explain what happens to the lungs in the human body when one breathes in.

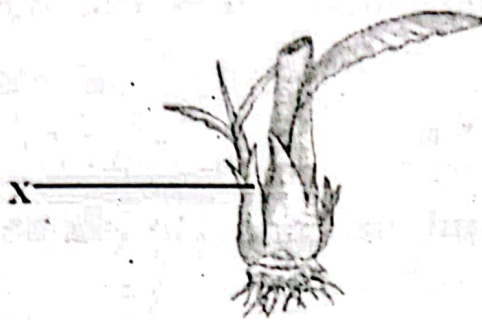
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28. Apart from calcium, name other mineral that promotes the proper growth of bones and teeth.

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29. The diagram below is of a banana plant. Use it to answer questions that follow.



30. Name the type of roots marked with letter X.

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31. State the reason why the top part of a banana plant is cut off before transplanting.

.....

.....

32. In what way does wearing a helmet protect the brain of a cyclist?

.....

33. State one-way people may contaminate food at home.

.....

34. How can a mother manage fever in her baby without using medical drugs?

.....

.....

35. Name any one immunisable disease caused by bacteria.

.....

36. Identify one effect of the rotation of the earth.

.....

.....

37. Mention any one optical instrument that uses curved mirrors to operate.

.....

38. Mention any one condition that is needed for decomposition to take place.

.....

39. State any one way of managing drought conditions in the environment.

.....

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40. Give any one reason why light cannot be seen through a vacuum

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SECTION B: 60 MARKS

Questions 41 to 55 carry four marks each

41. Match the following types of joints with their locations in the body correctly.

Types of joints

Gliding joints

Pivot joints

Ball and socket joints

Hinge joints

Location in the body

Elbow and knee

Wrist and ankle

Neck

Shoulder and hips

- i) Gliding joints.....
- ii) Pivot joints.....
- iii) Ball and socket joints.....
- iv) Hinge joints.....

42. a) Which part of the following crops can be used for producing alcohol?

- i) Millet.....
- ii) Cassava

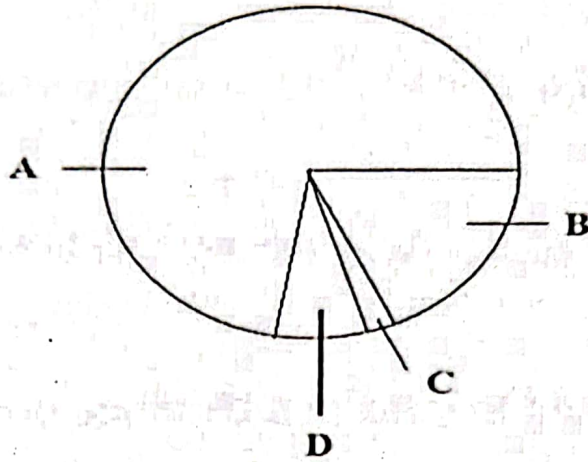
b) Name the fungus that is used in the production of alcohol.

.....

c) Give any one example of an alcoholic drink.

.....

43. The diagram shows the composition of air. Use it to answer the questions that follow.



a) Name the gases marked with letters B and D.

- i) B
- ii) D

b) Identify any one process that involves use of gas C.

.....

c) State any one way in which gas marked A is important to people.

.....

44. a) What is paddock system of grazing?

.....

.....

b) Identify any one other rotational system of grazing apart from paddocking.

.....

c) Mention any two advantages of zero of grazing.

i)

ii)

45. a) Write any one example of each of the following components of a solution.

i) Crystal substance.....

ii) Solution

b) How can you separate a mixture of beans and stones?

.....

.....

c) Give a method of separating mixtures used when getting juice from passion fruit.

.....

.....

46. a) State any two roles children can perform to promote PHC.

i)

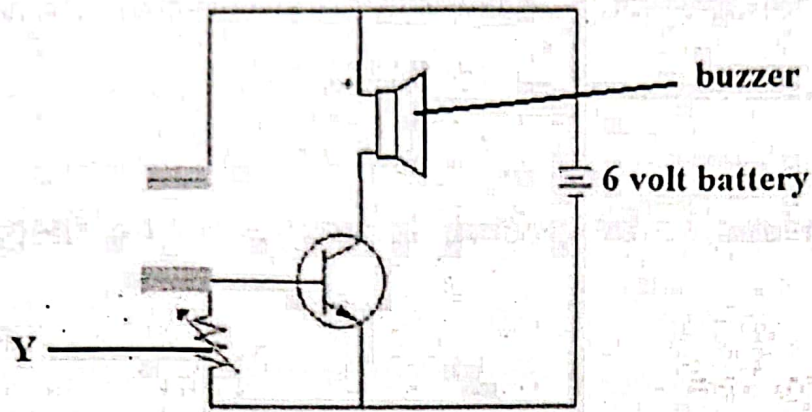
ii)

b) Identify any two forms of child abuse in our society.

i)

ii)

47. The diagram below is of a simple circuit. Use it to answer the questions that follow.



- a) Name the part labeled Y.

.....

- b) Mention any one electrical appliance that uses buzzers during its operation.

.....

- c) Calculate the number of dry cells of 1.5V required to make the battery of the above circuit (2 marks)

48. a) Name the second stage of the life cycle of a locust.

.....

b) State any two diseases spread by cockroaches to people.

i)

ii)

c) Suggest any one way of getting rid of cockroaches in the living house.

.....

49. Use the list of items below to answer questions that follow.

Goat, Wind, Sisal, Petroleum.

a) Name any two items from the list that are renewable resources.

i.

ii.

b) Identify one item that is a fossil fuel.

.....

c) Mention any one craft made from sisal.

.....

50. a) What is an alloy?

.....

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b) Give any two reasons for making alloys.

i)

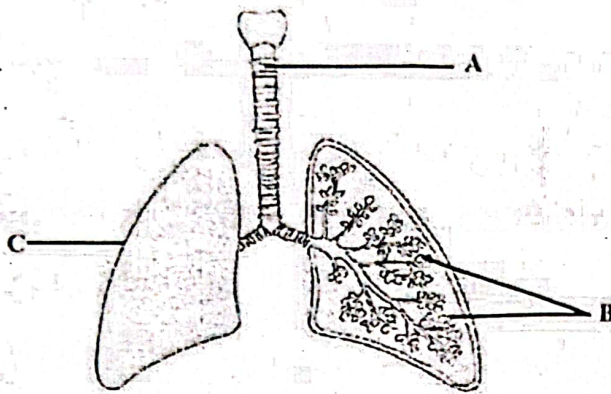
ii)

c) Why do people use aluminum to make cooking utensils instead of silver that is a best conductor of heat?

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51. Use the diagram below to answer the questions that follow.



a) Name the parts marked with letter A and C

i) A

ii) C

b) State any one adaptation of part B to its function.

.....

.....

c) Identify one non-infectious disease of the system above.

.....

52. a) Distinguish between a host and a parasite.

.....
.....

b) Mention any two pests that destroy maize in the garden.

i)

ii)

c) State any one-way farmers control pests on the garden.

.....

53. a) Give any one reason why decay of matter is grouped under chemical changes.

.....
.....

b) State the importance of the following conditions during germination.

i) Moisture

ii) Warmth

d) Name the type of germination in simsim.

.....

54. a) Give any one reason why children suffering from malaria shiver and chatter their teeth.

.....

b) Why does the government of Uganda periodically give out free mosquito nets to its population?

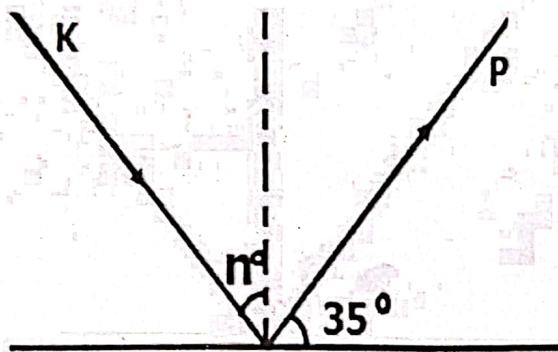
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c) State any two reasons why the control of malaria may be more difficult than the control of AIDS.

i)

ii)

55. The diagram below shows a ray of light striking a polished surface to answer questions that follow.



a) Name the rays marked

i) K

ii) P

b) Calculate the value of angle n° in the above diagram.

.....

c) Apart from being reflected, what else can happen to a ray of light when it strikes a surface?

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END