

1. Why are smooth muscles called involuntary muscles?
2. Give **one** reason why people groom their finger nails short.
3. What movable joint is found at the wrist/fingers?
4. Why do earthworms come out of the soil after raining?
5. Draw a compound pinnate leaf in the space below.
6. How does a passion fruit plant benefit from a nearby grown fence?
7. Differentiate between **propping** and **trellising**.
8. Of what importance is staking to tomatoes?
9. State **one** characteristic of loam soil.
10. How does overgrazing lead to soil erosion?
11. What is **fermentation**?
12. Give **one** reason why the invalid are called vulnerable.
13. State **one** difference between Mass and Weight.
14. Name **one** method used to separate mixtures of different densities (immiscible liquids).
15. State any **one** danger of rusting to metals.
16. What are **renewable energy resources**?
17. Give **one** reason why pregnant mothers are given T.T vaccine.
18. Under which type of laboratory manufactured drugs do we find T.T vaccine?
19. State **one** use of soap in promoting personal hygiene.
20. In which state of matter does heat travel by convection apart from liquid state?
21. What is the difference between **Eustachian** and a **Cochlea** in function?
22. What is the work of hydrochloric acid apart from killing germs that escape with food during swallowing?

3. Give **one** characteristic of essential drugs.
4. How are **water bodies** important during rain formation?
5. What is the use of **lungs** during respiration?
6. Give **one** reason why drugs should be well prescribed.
7. Which group of dicotyledonous plants have root nodules?
8. How do the plants mentioned above improve soil fertility?
9. Name **one** component of air plants use to make plant proteins.
10. How is a sunbird adapted to sucking nectar from the bottom of flowers?
11. How do sweaters keep the body warm during a cold weather?
12. State any **one** cause of teenage pregnancies in the community.
13. Give **one** reason why drugs are prescribed.
14. Write **one** effect of teenage pregnancies in girls.
15. In which **one** way can wind be used as an energy resource?
16. What is the importance of a **windmill**?

Name part P



17. What is the similarity between a switch and a fuse?
18. Mention any **one** importance of the component of soil that proved when water is added to a lump of soil in a container.
19. Why is a wet cloth put on the body of a person with fever (Tepid sponging/cold compression)?

#### SECTION B:

- a) What is **Rusting**?
- b) Give any **one** importance of rusting to the soil.
- c) How does painting prevent rusting of metals?



Apart from painting, name one other way of preventing garden tools from rusting.

32. a) What do lions benefit from plants?

33. b) How are the claws useful to the feeding of a lion?

34. c) Apart from claws, state any other adaptation of the above animal to feeding.

35. d) Name any other animal with a such foot as that of a lion.

36. a) Name the component of soil that holds soil particles together.

37. b) What is **soil profile**?

38. c) Name the best layer of soil profile for crop growth.

39. d) Why is the layer mentioned above said to be the best for crop growing?

40. a) Mention the farm tools used for the following;

41. i) Open castration.

42. ii) Closed castration.

43. b) Give **one** advantage of carrying out castration on a cattle farm.

44. c) State the reason to why in pigs we don't use close castration.

45. a) Give **one** difference between poisonous and non – poisonous snakes.

46. b) State any **one** example of;

47. i) poisonous snake.

48. ii) Non – poisonous snake.

49. c) What group of animals do we find a snake?

50. a) What term is used to mean the biological process by which organisms shed their outer tissues so as to grow. (ecdysis)?

51. b) Give **one** example of arthropods that carry out the above process.

52. c) How is the skeleton of a slug similar to that of a tape worm?

53. d) State the use of moulting to insects and reptiles.

54. a) What is **Malnutrition**?

55. b) State any **one** signs of malnutrition in adults.

Give any **one** danger of malnutrition in children.

Apart from honey, give any one other source of carbohydrates.

a) State the recommended distance from the following:

from the latrine to a living house.

from the latrine to a water source.

Why should latrines be constructed down hills from the water source?

Mention **one** disease that is likely to break out if a water source is near the living house and near to the latrine.

a) What type of mosquito has a flat larva stage in stagnant water?

Which disease is spread by the above vector?

Give **one** control of the mosquitoes above:

Biological control.

Chemical control.

a) Give **one** way a girl may avoid teenage pregnancy.

State **one** danger of early pregnancy to a girl.

State any **one** primary sex characteristic common to both boys and girls.

Mention any **one** secondary sex characteristic similar to both boys and girls.

a) Give any **one** method of cleaning water for washing at home.

Why is the following water obtained not good for drinking;

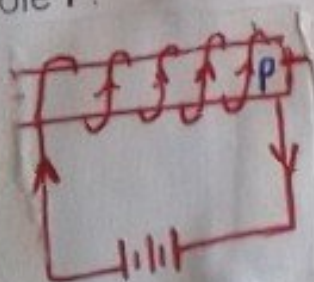
Distilled water?

Filtered, decanted or sedimented water?

Give one difference between safe water and clean water.

a) What is **Magnetisation**?

Name pole P.





Name the method of making magnets shown above.

What would you do in order to increase the strength of the magnet?

a) Name the type of cattle kept for work.

How are cattle used as energy resources?

Mention any one cattle disease caused by a red tick.

a) Differentiate between **burns** and **scalds**?

Give any **one** first aid given to a person who has stepped on a hot burning charcoal.

Why should one with the first aid above be given it?

State any **one** way of preventing burns and scalds at home.

a) Why are pregnant mothers given food rich in proteins?

State any **one** service given to pregnant mothers during antenatal care.

State any **one** effect of alcoholism and smoking to a pregnant mother;

Alcoholism.

Smoking.

**END:**