

1. Semi-circular canal
2. To manufacture starch
3. Feeling/ sensing danger/ temperature changes.
4. By means of radiation.
5. To be able to dry harvested millet.
6. Gas/ Gaseous state
7. First Aid
8. 3months 3weeks 3days
9. By providing a balanced diet regularly.
10. Mass = density x volume  
= 2g/cc x 15cc  
= 30g
11. For easy swallowing./ It eases digestion./ It reduces risks of foreign bodies in the throat.
12. Eagle/ Kite/ Secretary bird/ Owl/ Hawk/ Vultures/ Crow
13. To fix nitrogen into the soil./ To improve soil fertility.
14. Oxygen
15. Boredom/ to relax and pass time/ To socialize with colleagues./ To forget their problems./ To fit among their peers./ To celebrate achievements.
16. Toggenburg/ saanen
17. The process by which a seed develops into a seedling.
18. Trachoma
19. Expectant mothers/ Breast feeding mothers./ The sick./ convalescents/ The elderly/ invalids
20. To reduce cases of malaria./ To reduce mortality due to malaria./
21. Digestion
22. No new substance is formed.
23. To prevent constipation./ They allow easy digestion of food.
24. It is less dense than water.
25. Clay soil.
26. To prevent cannibalism
27. It protects the hive./ It defends the hive./ Builds the honey comb./ Collects nectar for honey./ Repairing the hive.
28. To get more oxygen.
29. Cutting down cereals and tall grass.
30. Duck-billed platypus
31. By means of cell budding.
32. To transport digested food./ antibodies./ hormones etc.
33. By withdrawing its tail./ head/ and legs into its hard shell.
34. Mulching is cheap./ Mulches are easily accessed/mulches are affordable.
35. It helps a plant to cool down during hot weather.
36. The ability of the body to resist/ fight germs that enter the body.
37. Tar/Nicotine
38. They are properly packed/ They are available./ They have clear dosage./ They have clear life span.
39. Due to gravitational force/ pull.
40. It has no chlorophyll.
- 41.a)The first help/ Immediate help given to a casualty before being taken to the hospital.  
b). kind/ sympathetic/ quick/ empathetic  
c). A person who has got an accident.
- 42.a). Vasectomy  
b) To stop unwanted pregnancies.  
c).It can lead them to impotence.
- 43.a).Unwanted plants in the garden.  
(b)Weeds compete for nutrients with the wanted crops which leads to poor yields./ Weeds act as homes of pests.  
(c).mulching/ spraying herbicides/ digging out weeds/ uprooting weeds and burying them.
44. a). solar eclipse  
b). i) umbra (ii) penumbra  
c). moon
- 45.a).The degree of hotness or coldness of matter.  
b).37°C (98.6°F)  
c). °F = 5 + 32  
=  $\frac{9}{5} \times 40 + 32$   
= 72 + 32  
= 104°F
46. (a)i). Bananas (ii). Tomatoes (iii) Cassava (iv) Ground nuts
- 47.(a)Animals which live in water.  
(b) frog/ some snakes/ fish/ crocodiles/ hippos (c) on/ in water.

48.a). Reptiles and birds lay eggs./ Have scales/ Both undergo internal fertilization./ Both are vertebrates.  
(b).i) withdrawing legs and head into its hard shell. (ii). By coiling up/ curling

49.a). A sudden happening that causes harm to the body.  
(b). Overloading vehicles./ Using vehicles in dangerous mechanical condition/ Over speeding/ Driving while intoxicated.  
(c). To save life/ stop bleeding/ reduce pain.

50.a) uses its suction pads.  
(b) internal fertilization.  
(c). Their body temperature changes according to that of the surrounding environment.

51a). i). The inhaling of tobacco smoke directly from a pipe or cigarette.  
ii). The inhaling of tobacco smoke that is exhaled by an active smoker.  
(b). The lungs.  
(c). Tar/ Nicotin.

52.a) organizes health parades.  
b). Checking the level of personal hygiene among children.  
(b)To prevent bad smell  
(c). To remove dirt/ kill germs.

54.a). Sexually Transmitted Infections  
(b).HIV/AIDS/ Gonorrhea/ Syphilis/ Candida  
(c). They are spread from one infected person to a healthy one.  
(d). Syphilis

55.i) Carry blood towards the heart.  
ii) Carry blood away from the heart.  
iii) Carry de-oxygenated blood from the heart to the lungs.  
iv). Carry oxygenated blood from the heart to all parts of the body.

