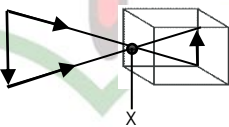


THE REAL PRIVATE TEACHER GUIDES SPECIAL BOT - II- 2023 INTEGRATED SCIENCE

1. A tuber crop is any swollen underground root or stem that stores food.
2. Through saprophytic feeding/ by absorbing food from decaying matter.
3. Mixture of flour and iron fillings.
4. For body building/ to replace worn out body cells.
5. They feed on flesh.
6. treads
7. To increase friction while driving
8. The cow becomes restless/ It mounts other cows./ It urinates frequently
9. Dull coloured petals/ Filaments are taller than style.
10. It helps to kill germs/ Helps in disinfection.
11. Veins have valves while arteries do not have valves./ Veins have thin walls while arteries have thick walls.
12. diffusion
13. feeding trough
14. It is where birds' food is put.
15. Serving food in clean containers/ Washing hands before serving food/ Ensuring proper sanitation.
16. Water and sanitation
17. Paddock grazing helps to break down the life cycle of ticks.
18. Temperature / surface area/ degree of heat/ nature of the liquid.
19. smoking
20. To prevent electric shocks/ To avoid electrocution
21. Natural immunity
22. They provide extra support to a growing maize plant.
23. It leads to loss of immunity/ Destroys white blood cells/ Opportunistic infections.
24. Sweat glands become active/ Growth of armpit hair/ Growth of pubic hair
25. A feather is less dense than water.
26. It avoids use of charcoal hence, no deforestation.
27. Floods destroy crops/ Floods lead to loss of lives/ floods destroy people's houses.
28. Birds can easily get lost/ Birds can destroy farmers' crops/ Birds can be easily eaten by predators.
29. Drying wet clothes/ Manufacture of vitamin D by our bodies.
30. They help bats to dodge obstacles./ Help bats to locate food / prey
31. grafting
32. Oranges/ mangoes/ guavas
33. It creates natural bond between the mother and the baby./ Breast milk is always available./ Breast milk is easy to digest for babies.
34. Smooth muscles
35. Grass reduces the speed of fast flowing water.
36. Seed selection/ ploughing land
37. Sleeping sickness is spread by tsetse flies while malaria is spread by female anopheles' mosquito.
38. By sensitizing people about immunization programmes./ Informing people about the immunization days.
39. milk
40. leads to skin diseases/ destroys the skin. much fatty foods.
- 41.a). California, chinchilla
b). ear cancer/ mange/ coccidiosis/ snuffles
c). rabbits need a very small piece of land compared to goats and sheep
- 42.a). first aider
b). Lack of enough supply of oxygen to the brain
c). To allow easy flow of oxygenated blood to the brain.
d). To enable quick provision of oxygen to the casualty.
- 43.a). gliding joints – wrist (b). Pivot joints – neck vertebrae (c). Ball and socket joints – shoulders (d). Hinge joints – elbow.
- 44.a). (i) To trap houseflies until they die.
ii). To allow out the bad smell.
b). By smoking latrine./ By regular sweeping the floor./ By slashing the bush around the latrine.
- 45.a). (i) Mohair (ii) Wool
b). They are a source of food./ They provide manure to a crop farmer.
46. (a) albumen
(b) It keeps and provides oxygen to the embryo
c) Part R is porous
47. (i) Nagana (ii) River blindness (iii) Protozoa (iv) Housefly
- 48.a). Ring method./ broad casting
(b) They kill soil living organisms./ They require skilled labour./ They are expensive
- 49.a). Electric method (b) Electromagnet
(b). By repeated hammering/ leaving magnets to rust/ boiling a magnet in water/ keeping a magnet in the east west direction.
- 50.a). moulds/ puff balls/ mushrooms
b). Fungi do not make their own food while plants make their own food.
c). Yeast helps in baking/ yeast helps in making alcohol.
- 51.(a)
(b) 
- c). They are real/ They are inverted / They are diminished.
- 52.a). It causes diseases/ It leads to self – neglect/ It leads to loss of jobs./ It causes poverty.
b). By keeping drugs away from children/ By proper storage of left overs food.
- 53.a). protects the hive/ collects nectar/ fans the hive
b). They are easy to monitor/ clean honey is harvested/ They are durable.
- 54.a).(i) plumule (ii) stalk scar
b). (i) It supplies food to the embryo.
(ii) It stores food for the embryo.
- 55.a).(i) White blood cells help to defend the body against disease causing germs
(ii). Blood platelets help in blood clotting in case of bleeding.
(b). performing regular exercise/ avoid eating too