

## SECTION A

1. Legumes//leguminous crops
2. smoking the hive
3. To boost immunity//keep the body healthy
4. Helps the soil regain its fertility
5. To ease digestion//prevent constipation
6. By regular bathing// avoid body contact with an infected person// ironing clothes
7. South Pole
8. It will point in the North to South direction.
9. It equips children with life skills//creates awareness of HIV/AIDS
10. Calcium //phosphorous
11. A stone is irregular while a cuboid is regular.
12. It lives in intestines
13. It can lead to brain damage// poor performance//school drop out//bad breath
14. Food and Nutrition// maternal and child health care// Family planning
15. By restocking fish//using good fishing methods//feeding fish
16. cockroach
17. crush
18. It is used in milking// spraying// drenching// dehorning cattle

19. It helps plants make food// softens the seed coat// dissolves mineral salts
20. It checks// reduces speed of moving vehicles.
21. skin// Liver// Lung//Kidney
22. Short circuit// overloading the circuit// faulty electric appliance// high voltage
23. Through guidance and counselling// reading the Bible or Quran // listening to parents// avoiding bad peer groups
24. By soaking clothes//using soap//detergents
25. By wearing masks// taking citrus fruits//isolating sick people//staying in well ventilated//spaced houses
26. Solids have compact molecules unlike other states of matter
27. By leaving it uncovered// putting it in dirty containers
28. It speeds up digestion
29. To prevent tooth decay// bad smell//remove food remains
30. By using cartilage
31. It splits water molecule into hydrogen and oxygen//provides energy to plants
32. Mulching// manuring
33. To prevent bad smell/flies
34. She needs special care and diet
35. Both have chlorophyll//make

- food
36. Scavenging//wading birds
  37. It feeds on dead decaying flesh//carrion
  38. Avoid prolonged hunger// standing in sunshine//strenuous exercise
  39. By singing//playing it on a musical instrument
  40. It dries crops//water // leads to famine//increase in temperature
- ### SECTION B
41. (i) protects the inner parts of a seed.
  - (ii) stores food for the embryo
  - (iii) allows air and water into the seed
  - (iv) Grows into shoot system
  42. (a) (i) fractional distillation
  - (ii) Decanting method// using a separating funnel
  - (b) (i) Are liquids that form a solution when mixed together
  - (ii) Are liquids that do not form a solution when mixed together.
  43. (a) potential energy
  - (b) The stone is not moving (at rest)
  - (c) Kinetic energy to potential energy
  - (d) At A and C the stone is not moving
  44. (a) Electric energy

- (b) 1 dry cell has 1.5V
- $$12 \div \frac{15}{10}$$
- $$4 \frac{12 \times 10^2}{1 \times 15}$$
- $$\frac{4 \times 2}{1 \times 1} = 8 \text{ dry cells}$$
45. (a) spleen
  - (b) It has haemoglobin to carry oxygen// no nucleus to carry more oxygen
  - (c) It produces antibodies// engulfs and digests germs
  46. (a) (i) crustaceans
  - (ii) arachnids
  - (b) Both have exoskeleton// segmented bodies//jointed legs
  47. (a) contour ploughing
  - (b) It reduces speed of fast flowing eater
  - (c) Terracing//strip cropping// bunding//afforestation
  48. (a) By taking wrong dose// self medication//sharing drugs// taking drugs at wrong time
  - (b) ignorance// peer pressure// Too much pain// some drugs are sweet or bitter//wrong drugprescription
  49. (a) staking// trellising// propping
  - (b) It enables crops get enough sunlight// allows easy weeding// spraying// harvesting

50. (a) It is light// has fibrous epicarp// has airspace inside
- (b) (i) berries
- (ii) drupes
51. (a) Trypsin// amylase//lipase
- (b) It churns food
- (c) pancreas
- (d) peptic ulcers//typhoid// cholera//dysentery
52. (a) Using fire extinguisher// water//sand//blanket
- (b) water is denser than petrol// petrol will float on water and keep burning
- (c) It prevents oxygen and moisture from reaching the metal.
53. (a) (i) This is the growing of only one type of crop on the same piece of land seasonally
- (ii) This is the breaking down of big soil lumps into small particles
- (b) It can lead to soil exhaustion// reduced crop yield// soil erosion
54. -Put a mixture of sand and salt in a container
- Add water and stir
- Filter the mixture
- evaporate the solution to dryness
55. (a) Proper feeding//regular deworming// regular vaccination
- (b) It has triangular shape// big udder// big hind quarters// produces a lot of milk.