

NO	ANSWER
1.	Oxygen.
2.	Tidal energy// steam energy.
3.	To get enough oxygen for the development of the larvae.
4.	Evaporation and condensation help in rain formation.
5.	Tapeworms feed on digested food which would help them in body growth.
6.	Pruning.
7.	It removes hiding places for pests.
8.	To avoid drug contamination.
9.	Yeast produces zymase enzyme that speeds up fermentation.
10.	Soap softens dirt/stains in clothes.
11.	Infected female tiger mosquito.
12.	Smell of food//sight of food//taste of food//expectation for the food.
13.	By changing the direction of force//by increasing the speed of doing work//they reduce friction//they reduce the effort required to do work.
14.	To reduce the temperature of the injured part.
15.	It dries the food crops in the community.
16.	To enable oxygenated blood flow to the brain.
17.	To prevent choking.
18.	Measuring a tea spoonful of salt and eight tea spoonsful of sugar in the clean water in a container.
19.	Hepatitis B.
20.	It eases weeding// spraying// pruning// thinning// harvesting of crops.
21.	Sensitizing the community members how to promote PHC/ Building health centres/ cleaning water sources/ supporting health workers in organizing immunisation programs/ constructing public latrines.
22.	Exoskeleton.
23.	Proteins build new cells for growth of children.
24.	Both reproduce by means of seeds.
25.	Soil contains air.
26.	Clay soil has smooth and compact particles.
27.	It damages the brain/it causes to mental illness/ it causes self neglect.
28.	It damage the reproductive system, it can lead to breeding.
29.	Through interviews// through observations.
30.	Fertile soil//capital// labour// market.
31.	Produces smoke used for calming down bees.
32.	Rabbits need small piece of land than goats// rabbits are cheap to buy than goats// rabbits are cheap in terms of feeding than goats.
33.	Silt kills aquatic life// makes water sources shallow//contaminates water.
34.	Antagonistic muscles.
35.	Muscles marked B will relax.
36.	Tree roots hold the soil particles together// reduces on the speed of fast flowing water// tree leaves prevent rain droplets from reach the soil with a lot of force.
37.	It requires a small piece of land/ it prevents the easy spread of diseases/parasites.
38.	Cleaning the house regularly/cementing the floor to avoid dust/ exposing beddings in sunshine/ironing clothes after washing.
39.	Using tendrils// clasping/ creeping// using hooks.
40.	To trap foreign bodies entering the human ear.

Section B (60 Marks)

41.	(a) for future use// to prevent contamination// for selling. (b) i) smoke dehydrates the food. ii) it makes germs dormant.
42.	(a) umbra. (b) A shadow is formed when light rays are blocked by opaque objects. (c) Shadows show direction/ they help to tell time// they help people to tell time.
43.	a) Mushrooms// penicillium moulds. b) They cause diseases// they make food poisonous.
44.	a) Pumps blood to all parts of the body. b) Lung. c) Stores food for a short time. d) Brain.
45.	a) sun. b) i) To increase absorption of light and heat from the sun. ii) To absorb heat and light from the sun. c) They are used to dry food stuffs.
46.	(a) ear notching, ear tagging, numbering lacing/ ear tattooing. (b) It damages the skin of an animal. (c) To prevent the spread of the disease to other animals.
47.	(a) (i) A - reflector (ii) B - Battery (b) The bulb won't produce light. (c) the dry cells are not arranged in a proper way// the dry cells are arranged poorly.
48.	a) Over blowing the nose// fighting// over using of medicine// over picking of the nose. b) pinching the soft part of the nose. c) To prevent the blood from blocking the airway.
49.	a) Clinical thermometer. b) $^{\circ}\text{F} = (9/5^{\circ}\text{C}) + 32$ $(9/5 \times 50) + 32$ $90 + 32 = 122^{\circ}\text{F}$ $50^{\circ}\text{C} = 122^{\circ}\text{F}$
50.	a) chlorine//magnesium// manganese permanganate. b) chemicals add smell in water// chemicals change the colour of water// chemicals add taste in water.
51.	(a) (i) Soil exhaustion - is the loss of soil fertility. (ii) soil conservation - is the maintenance of soil fertility. (b) Brick making/mono-cropping/Over using artificial fertilizers/ soil erosion. (c) By crop rotation/by mulching/ by mixed cropping.
52.	a) Fracture. b) it can be used when carrying Joshua to the health center. c) Avoid unnecessary running// avoid playing with sharp cutting instruments// avoid playing with acids// cutting tall grass in our homes.
53.	a) rubber// plastics// wood//glass// silver// stones//gold// aluminum// copper. b) Strong heating// hitting/ hammering// keeping them in west to east direction.
54.	a) i) Pivot joint. ii) hinge joint. b) Having regular physical exercises// eating a balanced diet// avoid playing dangerous games.
55.	(a) Axillary bud. (b) Photosynthesis/transpiration. (c) For breathing//for making food/in some plants leaves store food.