

## SECTION A

1. A chemical change
2. Bats/whale/Dolphin/seal/porpoise/dudong
3. Both use the lungs for breathing.
4. The Dicotyledonous plants
5. By machine/hands
6. Having regular physical exercises/balanced diet/vegetables/Avoid drug addiction and dependence
7. The Drone bee
8. They help to control the spread of diseases/They help to prevent smell of an area/they control bad body smell of pupils
9. Provides the support/movement/body shape/give body protection/attachment
10. The colon/large intestine
11. Hoe/spears/needles/razorblades
12. Rare gas
13. Anemometer
14. To measure the speed of wind
15. Broadcasting/row planting
16. The blood/blood vessels
17. To conduct heat/absorb the heat/do not allow heat to pass through it
18. Abdominal pain/blood stained faeces/painful passing out of urine
19. The third class lever/3<sup>rd</sup> class lever
20. It will lose the magnetic-strength/leads to demagnetization
21. Tog enburg goats/Anglo Nubian/saanen/alpine goats
22. Presence of warmth/food/moisture/air
23. For easy identification of cattle
24. Holds the soil from fast flowing water/Prevent wind erosion by the plant tree roots/Reducing the strong wind speed

42. a) Fast  
b) Ther  
c) Hot  
d) Sol
43. a) i) C  
b) No  
c) D  
44. a) i)  
b) 7
45. a)  
b)

46. a



23. For easy identification of cattle
24. Holds the soil from fast flowing water/Prevent wind erosion by the plant tree roots/Reducing the strong wind speed
25. To promote health habits/organize health education on First Aids/Control of curable diseases.
26. Rickets
27. The Age/Date of birth/sex/vaccine received and date/Birth order/weight of the child/doctors advice on the Health/nutrition
28. By carrying out transpiration
29. Mulching the garden/practice crop rotation/Agro-forestry
30. Cage system/Battery
31. Both are propagated by means of suckers
32. To prevent early/teenage pregnancy/To reduce on school drop outs
33. Mineral salts/water/air
34. Yeast
35. By using evaporation to dryness
36. To make the honey/build the combs
37. To increase crop yields/To improve harvests/To avoid losses in crop farming
38. Calving is the giving birth to calves while steaming up is the giving an in calf cows feeds rich in concentrates/Feeding of an in calf on foods rich in protein in preparation for calving.
39. Incompleted life cycle/Incomplete metamorphosis
40. They lead to deficiency diseases/death/They cause malnutrition/They lead to poor growth/They lead to stunted growth

### **SECTION B**

41. a) Allows in fresh air in and out/Air circulation
- b) Allow in fresh air/oxygen
- c) To protect people from bad/harsh weather
- d) To let out warm/stall aid/ used air from the house

48. a) vipers/co
- b) puffadder
- c) Has no fan
- d) Both lay e
49. a) Measles v
- b) injection
- c) To keep
- d) Destroy
50. a) i) Egg y
- b) It provi
- c) It is p
- d) It is h
51. a) Tran
- b) Wat
- c) To c
- d) Sv
52. a)
- b)
- c)
53. a)
- b)
- c)
- 54.



42. a) Fast flowing water  
b) Thermol electricity  
c) Hot springs  
d) Solar electricity
43. a) i) Chemical change ii) Physical change  
b) No new substances are formed/ reserverable/ changes in mass  
c) Drought/soil erosion
44. a) i) water/Alkalis/Acids/Mercury  
ii) Carbon rods  
b) To prevent electric shocks/burns/scald/short circuits/fire out breaks
45. a) i) pit/head method ii)  
b) i) Acids potassium/Improves the nutrients content to the manure  
ii) Speeds up the rate of decomposition/makes rotting faster/easy
46. a) i) Is when the object move to the bottom of the liquid/water.  
ii) Is the force that makes objects weigh loss in liquids.  
iii) Is the method used to find the volume of objects.  
b) A stone is irregular object/A stone lacks proper dimensions/A stone lacks a definite shape
47. a) i) Anopholes mosquitoes  
ii) culex/ Aedes mosquitoes  
b) Wiggler  
c) To enable eggs mature
48. a) i) vipers/cobras  
ii) puffadder/mambas/adder  
b) Has no fangs/Constrictors which kills the prey  
c) Both lay eggs/External fertilization/Body is covered with scales/vertebrates/ back bones
49. a) Measles vaccine  
b) injection method  
c) To keep their strength/be used for a longer periods  
the breeding places for mosquitoes  
mosquitoes nets/



49. a) Both lay eggs/ External fertilization/ Body is covered with scales/vertebrates/ back bones  
b) Measles vaccine  
c) injection method  
d) To keep their strength/be used for a longer periods
50. a) Destroying the breeding places for mosquitoes / Sleeping under a treated mosquitoes nets/ Slashing the busy areas around homes.  
b) i) Egg yolk (yolk) ii) Albumen (Egg white)  
c) It provides fresh air (oxygen) to the growing embryo  
d) It is porous for gaseous exchange/It is hard/ It is hard for protection
51. a) Transpiration  
b) Water vapour  
c) To cool plant temperature/ Increase in plant growth  
d) Sweating
52. a) steam  
b) i) sugar ii) water  
c) Both melt when heated/ Both are solids/ Have closely packed molecules
53. a) Collects sound waves from surroundings.  
b) Changes sound waves into vibrations.  
c) Amplify sound vibration.  
d) Convert sound waves into vibrations.
54. a) measuring cylinder/funnel/metallic can  
b) To measure amount of rainfall received in an area.  
c) To prevent obstructing rainwater entering it/ To get accurate measurement of rainfall
55. a) To grow/Increase in size/ To increase in body size  
b) Provide a framework for the body/ Provide no interference with growth/Allow easy attachment of muscles/ Flexible to many joints  
c) i) Skull/Ribs/Sternum/vertebral column  
ii) Limbs/Limb girdles