

YEAR 2015 ANSWERS

SECTION A

1. a. Claw hammer, hand saw, file,
b. Hoe, rake,
2. a. Stagnant water breeds mosquitoes which spread diseases
b. Terraces are used to control soil erosion along hilly areas
3. a. A simple machine is any tool (device) that simplifies work (makes our work easier)
b. Pulleys, wedges, inclined planes,
4. a. A candle, lamp, bulb, torch,
b. Smooth, shiny surface
5. (Teacher's guidance)
6. A solar eclipse is formed when the moon blocks the sun light from reaching earth.
7. Liquids like paraffin, diesel, petroleum
Solids like charcoal
8. a. Light energy
b. $W = F \times D = 50N \times 3m = 150J$ or NM
9. Solid state
Liquid state
10. (Teacher's guidance)
11. $D = \frac{M}{V} = \frac{60g}{15cm^3} = 4g/cm^3$
12. a. Copper
b. White spirit
13. Solar electricity
Hydro electricity
14. Cables
Electric poles
15. Flat iron, television, computers,
16. Switching off the main switch
Pushing the wires off from a person using an electrical insulator
17. By clapping
By vibrating objects
18. Using a flash disk
Using a memory card
19. Due to variations in temperature
Due to atmospheric pressure
20. Radiation
21. To keep their bodies warm by preventing heat loss
22. Sauce pans are made of aluminium which is a good conductor of heat.
23. Repel, attract
24. North-south direction
25. Magnets are used in cranes to lift magnetic metals
Magnets are used in electronic devices like radio speakers

SECTION B

26. Cholera, typhoid, dysentery,
27. a. Human Immunodeficiency Virus
Acquired Immune Deficiency Syndrome
b. By wearing condoms during sex
Avoid sharing sharp piercing instruments
28. Chlorination, sedimentation, filtration
29. Femur bone, humerus bone, radius and ulna
30. a. To be tasty
To kill germs
To make it soft for chewing
b. Starch - Glucose
Protein - Amino acids
Fats - Fatty acids and glycerol
31. a. Fertilizers are substances which boost the growth of plants.
b. Organic fertilizers

- Factory made fertilizers
32. Heart - circulation of blood
Kidney - Urine
Skin - Sensory organ
Lungs - Carbondioxide
Brain - Memory
 33. a. Three main body parts
b. M - Thorax
N - Abdomen
c. For seeing
d. In dirty places
e. It spreads disease germs to man
 34. A - Oviduct
B - Ovary
C - Uterus
D - Cervix
E - Vagina
 35. a. It produces different enzymes which break down food.
b. It kills any germ swallowed in with food.

36. a. Sweeping the compound with a broom
Bathing regularly using clean water, soap
b. To prevent bad smell from them
To keep away flies that spread diseases
37. Simple leaf compound leaf



- b. Leaves help plants in transpiration
Leaves store food and water for the plants
(ii). Leaves serve as food to us
Leaves serve as herbs which heal some diseases