

# YEAR 2016 ANSWERS

## SECTION A

1. a. It is any device that simplifies work.  
d. (i)-Effort, (ii)-Load, (iii)-Fulcrum / pivot  
c. Second class lever
2. Draining water  
Sleeping under treated mosquito nets
3. Fire, torch, electricity, candle
4. To keep our body private  
To keep our body warm
5. a. Kinetic energy, electric energy  
b. Light energy
6. They expand when heated  
They are hard and strong
7. Wind spreads diseases,  
Too much wind destroys property,  
Too much wind leads to soil erosion
8. Liquids flow, Liquids have averagely arranged particles.
9.  $M = D \times V = \frac{9}{10} \times 20 = 18g$
10. A stone sinks in water because its density is greater than that of water.  
A stone sinks because it is denser than water.
11. (*Teacher's guidance*)
12. Conduction of heat, heat transmits through a solid conductor while radiation of heat, heat transmits through vacuum.
13. (*Teacher's guidance*)
14. a. Source of energy,  
b. To give light.
15. It helps them to operate/work
16. An echo is a reflected sound
17. Music is an organised sound while noise is disorganised sound.
18. Pond water contains some microbes that cause diseases.
19. By cooling down the water vapour below 0°C i.e condensation
20. It is the lightest part of the shadow in an eclipse.
21. Sound energy
22. Iron, steel, cobalt
23. By using a magnet.
24. a. These are diseases which spread from one infected person to another.  
b. Ebola, trachoma, measles, cholera
25. a. These are diseases that spread through sexual intercourse.  
b. Abstain from sex, avoid sharing sharp piercing instruments
26. a. It is a meal that contains all food values in their correct quantities.  
b. Fruits, green vegetables  
c. It is a disease caused by lack of enough specific class of food in the body.  
d. Rickets
27. a. Mouth, b. small intestines (ileum)
28. a. Saliva juice  
b. Gastric juice  
c. Succus entericus
29. Liver and pancreas
30. a. Male - sperms,  
Female - Ova (eggs)  
b. Ovulation
31. a. White blood cells  
Red blood cells  
Plasma  
Platelets  
b. Platelets
32. a. Excess water, carbondioxide  
b. It regulates body temperature
  - It stores fats
  - It protects the inner parts of the body
  - It is used for feeling
33. a. Escape from danger  
Look for food and water  
b. walk - man, cows, goats  
crawl - snakes, lizards, crocodiles
34. a. Transpiration  
b. Sunlight, water, chlorophyll, carbondioxide
35. a. water pollutants  
b. Sewage, dead animals, soil, chemicals
36. ovules - seeds,  
ovary - a fruit
37. Insects, mammals and birds

## SECTION B