

Name

Subject: Physics

Class -VII

Date:

1. State two advantages of drawing Distance-Time graphs.
2. Name the device used to record the distance covered by a vehicle.
3. Who invented the Simple Pendulum?
4. A girl takes 15 min from her house to reach her school on her cycle. If the speed of the cycle is 2m/s. Calculate the distance between her house and the school.
5. What are CFL bulbs?
6. Write differences between Electric Fuse and MCB's.
7. State two advantages of electromagnets over permanent magnets.
8. What are the filaments of a bulb and a heater made of?
9. State two differences between concave and convex lens.
10. When you see yourself in a mirror, do you see a real or virtual image?
11. Write difference between Real and Virtual Images.
12. Identify a spherical lens, which is thicker at the centre and thinner at the edges.
13. With the help of a diagram show dispersion of white light by a prism.
14. Why does a clinical thermometer have a narrow range?
15. Handles of cooking utensils are made up of wood. Why?
16. Why convection is not possible in solids?
17. Classify the following into conduction, convection and radiation.
 - a) Cool air sinks to the ground on a warm night.
 - b) Air is warmer near the ceiling than the floor convection.
 - c) A metal cup gets hot when boiling water is poured into it.
 - d) Water in a heated vessel begins to boil.
 - e) Feet are warmed in front of heater in winters.
18. Write down the English alphabet in which the image formed in a plane mirror appears exactly the same as the alphabet.