



ARMY PUBLIC SCHOOL - BHUJ

PRACTICE PAPER 2020-21

Class: IX SCIENCE

- 1 What is the SI unit of temperature? 1
- 2 Name any one volatile liquid. 1
- 3 Expand DNA 1
- 4 Name any two cell organelles which have their own genetic material. 1
- 5 What is an odometer? 1
- 6 State two differences between prokaryotes and eukaryotes with one example of each 3
- 7 Name the cell organelle 3
 - a) Known as power house of the cell
 - b) That is capable of performing protein synthesis
 - c) Found only in plant cells
- 8
 - a) Why does steam cause more severe burns than water at 100 degree Celsius? 3
 - b) Why do we see tiny droplets of water on the surface of a water bottle when taken out of the refrigerator?
- 9 Tabulate the difference solid, liquid and gas on the basis of following properties: volume, density and force between the particles. 3
- 10 State two differences between uniform and non- uniform motion with one example of each. 3
- 11
 - a) When is the displacement of a moving body zero? 3
 - b) How are vector quantities different from scalar quantities? Give one example of each
- 12
 - c) Name the process by which solids gets directly converted to gaseous state. 5
 - d) Explain any four factors that affect the rate of evaporation.
- 13
 - a) Why do we call an iron almirah in solid state? 5
 - b) Expand CNG and LPG
 - c) Why do we prefer cotton clothes during summer?
- 14
 - a) State two difference between mitosis and meiosis. 5
 - b) What happens to a cell kept in a hypertonic solution?
 - c) State two functions of vacuoles
 - d) Why is cell membrane called a selectively permeable membrane
- 15
 - a) What do you mean by latent heat of fusion? 5
 - b) Why do gases exert pressure on the wall of the container.
 - c) Sponge is solid but can be compressed. Explain.
 - d) Write any three characteristics of particle of matter.