CLASS IX

HOLIDAY HOMEWORK

Q 1. Convert the following temperatures into Celsius scale:-

I) 300 K II) 573 K

Q 2. What is physical state of water at:-

I) 250 °C II) 100 °C

Q 3. Give reasons for the following :-

I) The smell of hot sizzling food reaches you several meters away, but to get the smell from cold food you have to go close.

II) Naphthalene balls disappear with time without leaving any solid.

Q 4. Liquids generally have lower density as compared to Solids. But you must have observed that ice floats on water. Find out why?

Q 5. What type of clothes should we wear in summer?

Q 6. Why do we say that evaporation is a surface phenomenon?

Q 7. What produces more severe burns, boiling water or steam?

Q 8. Give an experiment to show that ammonium chloride undergoes sublimation.

Q 9. A mixture of iron filings and sulphur is heated, the colour of the mixture will change

a. black to yellow

b. yellow to black

c. brown to yellow

d. black to brown

Q 10. A Substance can be beaten into sheets and beaten into wires. What will you call it?

a. It is both brittle and lustrous

b. It is both sonorous and ductile

c. It is both Malleable and ductile

d. It is both malleable and brittle

Q 11. A shining thick liquid is often used in glass thermometers. Name it.

Q 12. A compound is regarded as a pure substance while the mixture is not. Give reason.

Q 13. A saturated solution becomes unsaturated on heating. Why is it so?