**Aarambh Classes**

**Class IX (cbse)**

**Chemistry test**

**Matter in our sorroundings**

**Time : 1hour M.marks : 20**

1 mark questions :

1. Which property of gases makes it possible to fill large volumes of gases in small cylinders ?
2. What is the effect of temperature on kinetic energy ?
3. Why do we feel cool after applying shave lotion or perfume ?

2 marks questions :

1. A gas jar containing air is placed upside down on agas jar of bromine vapour .It is observed that after some time ,the gas jar containing air also becomes reddish brown .(a) Explain why this happen .(b) Name the process involved .
2. Convert the following celsius temperature to kelvin scale :

(I)-273 (ii)30 (iii) -100 (iv) -40

6. Latent heat of evaporation of two liquids A and B is 100 j/kg and 150 j/kg respectively .Which one can produce more cooling effect and why ?

7. How does the water kept in an earthern pot becomes cool during summer ?

3 marks questions :

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

9. Give reasons for the following :

(i)Ice at 273 k is more effective in cooling than water at the same temperature ?

(ii)Napthalene balls disappear with time without leaving any solid .

10. When water is heated at a temperature x , it converts into stem by aprocess called P. And when steam gets reconverted at the same temperature into water ,the process is called Q.

(I) what is the temperature x in kelvin ?

(ii)what is the process P and Q known as ?

(iii)Name the energy released and absorbed during process P and Q respectively .