Chemistry Fsc Part 1 Chapter 3 Online Test

Sr	Questions	Answers Choice
1	At constant temperature in a given mass of and ideal gas.	A. The ratio of pressure and volume remains constant B. Volume always remains constant C. Pressure always remains constant D. The product of pressure and volume remains constant
2	Gases of air, always remains in the random motion and do not settle due to.	A. Elastic collision of gas molecules B. Unequal number of different gas molecules C. Difference impartial pressure of gas molecules D. Difference in molecular masses of air gases
3	Weak intermolecular forces are present in.	A. Only gases B. Only liquid C. Only solids D. gases, liquids and solids
4	The real gas obeying Van der Waal's equation will resemble ideal gas is.	A. both 'a' and 'b' are large B. both 'a' and 'b' and small C. 'a' is small and 'b' is large D. 'a' is large and 'b' is small
5	The deviation of a gas from ideal behaviour is maximum at.	A. -10 ^oC and 5.0 atm B. -10 ^oC and 2.0 atm C. 100 ^oC and 2.0 atm D. 0 ^oC and 2.0 atm
6	Equal masses of methane and oxygen are mixed in an empty container at 25 ^{O}C. The fraction of total pressure exerted by oxygen is.	A. 1/3 B. 8/9 C. 1/9 D. 16/17
7	The order of the rate of diffusion of gases NH3, SO3, Cl2 and CO2 is.	A. NH3>SO2>CL2>CO2 B. NH3>CO2>SI2>Cl2 C. Cl2>SO2>CO2>NH3 D. Cl2>SO2>CO2>NH3
8	How should the conditions be changed to prevent the volume of a give gas from expanding when its mass is increased.	A. Temperature is lowered and pressure is increased. B. Temperature is increased and pressure is lowered C. Temperature and pressure both are lowered D. Temperature and pressure both are increased
9	If absolute temperature of gas is doubled and the pressure is reduced to one half, the volume of the gas will.	A. Remain unchanged B. Increase four times C. Reduce to 1/4 D. Be doubled
10	Which of the following will have the same number of molecule at STP.	A. 280 cm3 CO2 and 280 cm3 of N2O B. 11.2 dm3 of O2 and 32 g of O2 C. 44 g of CO2 and 11.2 dm3 of CO D. 28 g of N2 and 5.6 dm3 of oxygen
11	Pressure remaining constant, at which temperature the volume of a gas will become twice of what it is at 0 ^{O}C	A. 546 ^oC B. 200 ^oC C. 546 K D. 273 K
12	The temperature of natural plasma is about.	A. 200000 ^oC B. 10000^oC C. 5000^oC D. 1000^oC
13	A real gas obeying Van der Waal's equation will resemble ideal gas if.	A. Both a and b are large B. Both a and b are small or zero C. A is small and b is large D. A is large and b is small
		A. -10 ^oC and 5.0 atm

14	The deviation of a gas from ideal behavior is maximum at.	B. -10^oC and 2 atm C. 0^oC and 2 atm D. 100^oC and 2 atm
15	Which of the following will have highest rate of diffusion	A. O2 B. CO2 C. NH3 D. SO2
16	The spreading of fragrance of a rose or scent in air is due to.	A. Effusion B. Diffusion C. Osmosis D. Evaporation
17	Feeling uncomfortable breathing in un pressurized cabins is due to	A. High pressure of CO2 B. Fatigue C. Low pressure of O2 D. Low presssure of CO2