Subject: Chemistry Paper: Second Subject Code: 177 Level: HSC

Assignment No:2	Assignment	Direction	Indicator	Marks: 4
First Chapter: Environmental Chemistry	Gas laws and behavior of real gas at different condition.	1. Combination of Gas laws	Stating the laws relating to pressure, volume, temperature and mole number combine the gas laws.	Proper combination of the laws with explanation
		2. Description of the conditions of real gases to behave ideally	Description of the volume, pressure and thermal condition.	Proper description of the conditions.
		3. Determination of the relation of the pressure of gas mixture and mole fraction.	Dalton's law of partial pressure, partial pressure, total pressure and mole fraction	Proper mathematical derivation with description of law.
		4. Mathematical Explanation of diffusion rate of two component gases in the gas mixture due to difference in the molecular mass.	Diffusion law, density, molecular mass, rate of diffusion	Proper mathematical derivation with the description of law.