Rules to Answer Accurate answer supported by evidence, and reasoning links answer and evidence. Response is specific and detailed. Presence of keywords and scientific terminology.	**Rules to Answer** Refer content if unable to recall after 15-30sec of trying, then again retrieve from memory without help.	**One Mole** Elaborate	**One Mole atom in gram** Elaborate
Mole Fraction Elaborate and give the formula	**Henry's Law** Elaborate with formula	**Elaborate, Compare and Contrast** Molarity and Molality Write down the formula.	**Factors affecting solubility of gases** Elaborate and state how these factors affect the solubility of gases?
Parts by Mass and Parts by Volume Give the Formula	**Parts per million (ppm)** Give the Formula	**Parts per billion (ppb)** Give the Formula	**Mole Fraction and Mole Percentage** Give the Formula
Colligative Property Define and note down the colligative property	**Vapor pressure Lowering** Elaborate	**Raoult's Law** give the formula with describing each term and Elaborate	**Vapor Pressure Lowering (ΔP)** give the formula with describing each term and Elaborate
Elaborate Vapor pressure of Solutions containing a volatile (Nonelectrolyte) Solute	**Ideal Solution** Elaborate	**Deviations from Raoult's Law** Elaborate	**Freezing Point Depression** Elaborate and give the formula with describing each term
Boiling Point Elevation Elaborate and give the formula with describing each term	**Osmotic Pressure** Elaborate and give the formula with describing each term	**Colligative Property of Strong Electrolyte Solutions** How does colligative properties of strong electrolyte solutions differ from non electrolyte solutions?	**van't Hoff Factor** Elaborate
van't Hoff Factor What will happen to experimentally determined molar mass when there is dissociation or association of solute?	**Colligative Property of Strong Electrolyte Solutions** Formulate each colligative property of Strong Electrolyte Solution	**Isosmotic, Hyperosomotic, Hyposmotic** Elaborate with take example of RBCs	**Azeotropes** Elaborate