

T.Y.B.Sc. Semester 5 Mock Exam Question Paper
Chemistry Paper I – Physical Chemistry
Multiple Choice Questions

- Q1 Vapour pressure of a liquid solventwhen a non volatile solute is dissolve in it. 1M
- a) Increase
 - b) Decrease
 - c) no change
 - d) Expand
- Q2 Raoult's law is expressed by.....
- a) $\frac{P^o - P}{P^o} = X_2$
 - b) $\frac{P - P^o}{P^o} = X_2$
 - c) $\frac{P - P^o}{P} = X_2$
 - d) $\frac{P - P^o}{P^o} = X$
- Q3 is used in Rast method because it has a high value of K_f .
- a) Camphor
 - b) Bi phenyl
 - c) Naphthalene
 - d) Sodium chloride
- Q4 Boiling point elevation of the solution ΔT_b is given as.....
- a) $\Delta T_b = T - T_o$
 - b) $\Delta T_b = T_o - T$
 - c) $\Delta T_b = T + T_o$
 - d) $\Delta T_b = T \times T_o$
- Q5 The unit for activation of energy is
- a) kJ mol^{-1}
 - b) kJ K^{-1}
 - c) $\text{kJ K}^{-1} \text{mol}^{-1}$
 - d) kJ R^{-1}

Physical Chemistry Multiple Choice Questions

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