

F.M=10

(Answer any five questions)

1. Calculate osmotic pressure of 0.1 (M) $K_4[Fe(CN)_6]$ with 50% degree of dissociation.
2. What is basic difference between ideal solution and non ideal solution?
3. Given positive and negative deviations from ideal behaviour.
4. Show that $\Delta E \cdot \Delta t \geq \frac{h}{4\pi}$ $h \rightarrow$ plank constant
5. What is the basic ~~of~~ significance of Normalisation.
6. Show that Bohr's 2nd postulate from de Broglie hypothesis.
7. What is the relation between vant hoff factor i and degree of association of $Li_3Na_3[AlF_6]_2$
8. What is the advantage of unit Molality?
What is azeotropes.