

Guess Paper - 2014 Class - XII Subject -Chemistry

PRACTICE PROBLEMS TOPIC - SOLUTION

Attempt	all		questions	•
Q-1	The partial pressure of O_2 in air is 0.20 bar. The solubility of O_2 in water is 3.5×10^{-4} at 25° C. Calculate Henry's constant.			
Q-2	Explain term. (i) Molality (iii) reverse osmosis		PM ant's Hoff facto	r
Q-3	Suggest a reason why salt water fish die when they are suddenly transferred to a fresh water aquarium.			۱.
Q-4	What is the relative lowering in terms		vapour pressure aoult's law	⁷ .
Q-5	Why soda water bottle f	izzes out wh	nen cap in opened	l.
Q-6	What would be the value of solution of	f Vant's Hoff K ₂ SO ₄	factor for a dilute in water	. •
Q-7	An antifreeze solution in p 222.6g of ethylene glycol C Calculate the molality of the solution be 1.072gml ⁻¹ . What	$_{2}H_{4}(OH)_{2}$ and e solution. If the	200g pf water. he density of this	





Q-8 Calculate the osmotic pressure of a decimolar solution of cane sugar at 25C R = 0.0821 L atm k^{-1} mol⁻¹

$Vant's \ Hoff \ factor = \begin{array}{c} \underline{FORMULA} \\ Normal \ molar \ mass \\ \hline Observed \ molar \ mass \\ \hline i \ -1 \\ \hline Degree \ of \ dissociation \ \alpha = \\ \hline n \ -1 \\ \hline \end{array}$



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