## close fguess

# Guess Paper - 2014 <br> Class - XII <br> Subject -Chemistry 

PRACTICE PROBLEMS TOPIC - SOLUTION

Attempt
questions.
Q-1 The partial pressure of $\mathrm{O}_{2}$ in air is 0.20 bar. The solubility of $\mathrm{O}_{2}$ in water is $3.5 \times 10^{-4}$ at $25^{\circ} \mathrm{C}$. Calculate Henry's constant.

Q-2 Explain term.
(i)
Molality
(ii) PPM
(iii)
reverse osmosis
(iv)
Vant's Hoff factor

Q-3 Suggest a reason why salt water fish die when they are suddenly transferred to a fresh water aquarium.

Q-4 What is the relative lowering, lowering of vapour pressure in terms of Raoult's law.

Q-5 Why soda water bottle fizzes out when cap in opened.
Q-6 What would be the value of Vant's Hoff factor for a dilute solution of $\mathrm{K}_{2} \mathrm{SO}_{4}$ in water.

Q-7 An antifreeze solution in prepared solution is prepared from 222.6 g of ethylene glycol $\mathrm{C}_{2} \mathrm{H}_{4}(\mathrm{OH})_{2}$ and 200 g pf water. Calculate the molality of the solution. If the density of this solution be $1.072 \mathrm{gml}^{-1}$. What will be the molarity of solution.

## cbse figuess

## http://www.cbseguess.com/

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


EQUILIBRIUM CLASSES BY $\mathcal{A} \mathcal{N} U J$ SIR

## Our aim is to give a right path towards success Contact No-9415573342, 988921458

