Chemistry Fsc Part 1 Chapter 9 Online Test

Sr	Questions	Answers Choice
1	Depression in the F.P is directly proportional to	A. Molarity of solution B. Molarity of solvent C. Molality of solvent D. Molality of solution
2	Which of the following solutions will have the highest boiling point	A. 0.1 M NaCl B. 0.1 M $CaCl_2$ C. 0.1 M $FeCl_3$ D. 0.1 M glucose
3	Azeotropic mixture can be separated into pure components by	A. Distillation B. Fractional distillation C. Vacuum distillation D. None
4	The relative lowering of vapour pressure is equal to the mole fraction of the solute. This law is known as	A. Ostwald dilution law B. Raoult's law C. Vant hoff's law D. Henry's law
5	The unit of mole fraction is	A. Moles dm^{-3} B. Moles kg^{-1} C. Gram dm^{-3} D. None
6	The liquid pair which is not completely miscible is	A. CH_3OH and water B. Alcohol and water C. Phenol and water D. Benzene and toluene
7	Colligative properites are the properties of	A. Dilute solutions which behave as nearly ideal solution B. Concentrated solution which behave as nearly non-ideal solution C. Both a and b D. Neither a nor b
8	The molal boiling point constant is the ration of the elevation in boiling point to	A. Molarity B. Molality C. Mole fraction of solvent D. Mole fraction of solute
9	Two solution of NaCl and KCl are prepared separately by dissolving same moles of them in the fixed amount of solvent. Which of the following statements is true for these solution	A. KCl solution will have higher boiling point than NaCl solution B. Both the solutions have different boiling point C. KCl and NaCl solution possess same vapour pressure D. KCl solution possesses lower freezing point than NaCl solution
10	Which of the following solutions has the highest boiling point	A. 5.85% solution of sodium chloride B. 18.0% solution of glucose C. 6.0% solution of urea D. All have the same boiling points
11	In azeotropic mixture showing positive deviation from Raoult's law the volume of the mixture is	A. Slightly more than the total volume of the components B. Slightly less than the total volume of the components C. Equal to the total volume of the components D. None of these
12	Azeotrpic mixture of two liquids boils at a lower temperature than either of them, when	A. It is saturated B. Is shows positive deviation from Raoult's law C. It shows negative deviation from Raoult's law D. Is is metastable
13	An aqueous solution of ethanol in water has vapour pressure	A. Equal to that water B. Equal to that of ethanol C. More than that of H_2O D. Less than that of water

14	A solution of glucose is 10% to volume in which 1 g mole of it is dissolved will be	A. 1 dm^3 B. 1.8 dm^3 C. 200 cm^3 D. 900 cm^3
15	18 g of glucose is dissolved in 90 g of water. The relative lowering of vapour pressure is equal to	A. 1/5 B. 5.1 C. 1/51 D. 6
16	Molarity of pure water is	A. 1 B. 18 C. 55.5 D. 6