	hrinks to 750 ml. The molarity of esultant solution is a) 0.569 M b) 0.42 M c) 0.42 M d) 1.707 M			fraction of solute is maximum? Assume no any dissociation or association of acetic acid in the solvent. (a) Water		
141.	A volume of 500 ml of a 0.1M solution of AgNO ₃ added to 500 ml of 0.1M solution of KCl. The concentration of nitrate ion			(b) Ethanol(c) Benzene(d) Same in all solvents		
	in the resulting solution is (a) 0.05 M (b) 0.1 M (c) 0.2 M (d) Reduced to zero		147.	An aqueous solution has urea and glucose in mass ratio 3:1. If the mass ratio of water and glucose in the solution is 10:1, then the mole fraction of glucose in the solution is		
142.	In 1200 g solution, 12 g undensity of the solution is the molarity of the solution	1.2 g/ml, then		(a) $\frac{1}{110}$	(b) $\frac{9}{110}$	
	(a) 0.2 M (c) 0.167 M	(b) 10 M (d) 12 M	148.	(c) $\frac{3}{110}$ The volume strength of a s	(d) $\frac{100}{110}$ sample of H ₂ O ₂	
143.	Mole fraction of solute solution of NaOH is 0.1. gravity of the solution is 1 of the solution is (a) 6.93 (c) 71.4	If the specific		is '8.96 vol'. The mass of 1250 ml of this solution is (a) 0.4 g (b) 27.2 g (c) 6.8 g (d) 108.8 g		
144.	What should be the density of an aqueous solution of urea (molar mass = 60 g/mol) such that the molality and molarity of the solution become equal?		149.	149. What is the percentage of 'free SO ₃ ' in a sample of oleum labelled as '104.5%'? (a) 20% (b) 40% (c) 60% (d) 80%		
	(a) 1.0 g/ml (c) 1.06 g/ml	(b) 1.6 g/ml (d) 1.16 g/ml		Which of the following percentage strength is not possible for a sample of		
145.	A quantity of 10 g of dissolved in 100 g of each consolvents. In which solven	of the following		oleum? (a) 104% (c) 118%	(b) 109% (d) 127%	

of solution is maximum? Assume no any

dissociation or association of acetic acid

146. A quantity of 10 g of acetic acid is

dissolved in 100 g of each of the following

solvents. In which solvent, the mole

in the solvent.

(a) Water

(b) Ethanol

(c) Benzene

(d) Same in all solvents

139. How much BaCl, would be needed

140. Upon heating a litre of semi-molar HCl

solution, 2.675 g of hydrogen chloride is lost and the volume of the solution

(Ba = 137)

(a) 16.8 g

(c) 33.6 g

to make 250 ml of a solution having

the same concentration of Cl as one

containing 3.78 g NaCl per 100 ml?

(b) 67.2 g

(d) 22.4 g