		AJZLAJA.	MINE				
Q.1	125 ml of 8% w/w 1	NaOH solution (sp. gr	avity 1) is added to 125	ml of 10% w/v HCl solution. The			
	nature of resultant solution would be . CRC CTIOV						
Q.2	The molarity of pu	re water is:	— 3D(JOULE			
		(B) 55.6 M		(D) 18M			
0.3	The mole fraction of oxygen in a mixture of 7g of nitrogen and 8g of oxygen is:						
Vilta la	(A) $\frac{8}{15}$			(D) 1.0			
no var	MACHELL SOLD PRINTED A 3	(B) 0.5	(C) 0.25				
Q.4	The molarity of asolution of sodium chloride (mole wt. = 58.5) in water containg 5.85 gm of sodium chloride in 500 ml of solution is:-						
	(A) 0.25	(B) 2.0	(C) 1.0	(D) 0.2			
Q.5	The molarity of 98	8% by wt. H_2SO_4 (d =	1.8 g/ml) is				
	(A) 6 M .	(B) 18 M		(D) 4 M			
Q.6	Which one of the following modes of expressing concentration of solution is independent of						
	temperature -						
	(A) Molarity	(B) Molality	(E) % w/v	(D) Grams per litre			
Q.7	For preparing 0.1 M solution of H ₂ SO ₄ in one litre, we need H ₂ SO ₄ :						
	(A) 0.98 g		(C) 49.0 g	F. E. W. S.			
Q.8	1000 g aqueous so	olution of CaCO ₃ conta	ains 10 g of calcium carb	onate concentration of the solution			
	is:						
	(A) 10 ppm	(B) 100 ppm	(C) 1000 ppm	11			
Q.9	How much volum	ne of $3.0 \mathrm{M}\mathrm{H_2SO_4}$ is a	equired for the preparat	tion of 1.0 litre of 1.0 M solution?			
	(A) 300 ml	(B) 320 ml		(D) 350.0 ml			
Q.10	How much water	should be added to 2	00 cc of semimolar sol	ution of NaOH to make it exactly			
	decimolar:-	seems 50, in his 50,	mente atslanma sits na	Saline Other access of			
	(A) 1000 cc	(B) 400 cc	(C) 800 cc	(D) 600 cc			
Q.11	H_2O_2 solution us	sed for hair bleaching	g is sold as a solution	of approximately 5.0 g H ₂ O ₂ per			
	100 mL of the solu	(D) 1.5 M	as of H_2O_2 is 34. The mola	rity of this solution is approximately:			
	(A) 0.15 M	(B) 1.5 M	(C) 3.0 M	(D) 3.4 M			
Q.12	modulity of the solution						
	(A) 2.0 M	(B) 1.0 M	(C) 0.5 M	(D) 0.25 M			
Q.13	How much grams of CH ₃ OH should be dissolved in water for preparing 150 ml. of 2.0 M CH ₃ OH						
	solution						
	()	(B) 2.4	(C) 9.6×10^3	(D) 4.3×10^2			
Q.14	(b) 4.3 × 10 ²						
	(A) x < 1	(B) $-2 < x < 2$	(C) $0 < x < 1$	(D) = 2			
	The state of the s		S. Howell S.	(D) $x > 0$			

Q.15	Molarity of liquid HCl if density of solution is 1.17 g/cc.:					
	(A) 36.5	(B) 18.25	(C) 32.05	(D) 42.10		
Q.16.	The molarity of a solution made by mixing 50 ml of conc. H ₂ SO ₄ (18 M) with 50 ml. of water, is:					
	(A) 36 M	(B) 18 M	(C) 9 M	(D) 6M		
Q.17	Equal volumes of 10% (v/v) of HCl is mixed with 10% (v/v) NaOH solution. If density of pure					
	NaOH is 1.5 times that of pure HCl then the resultant solution be.					
	(A) basic	(B) neutral	(C) acidic	(D) can't be predicted.		
Q.18	Assuming complete precipitation of AgCl, calculate the sum of the molar concentration of all the					
	ions if 2 lit of 2M Ag ₂ SO ₄ is mixed with 4 lit of 1 M NaCl solution is:					
	(A) 4M	(B) 2M	(C) 3 M	(D) 2.5 M		
	A bottle of 12 M, 75 ml HCl is diluted to 300 mL. What is the molarity of resulting HCl solution?					
	(A) 1 M	(B) 5 M	(C) 3 M	(D) 7 M		
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				(bedanaustiq all, Q, Da'D)		
	the transfer of the Alexander Louis growing as the culture material advantage (4)					
	ages and minimum slow the 2 to 600 to 600 to					

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