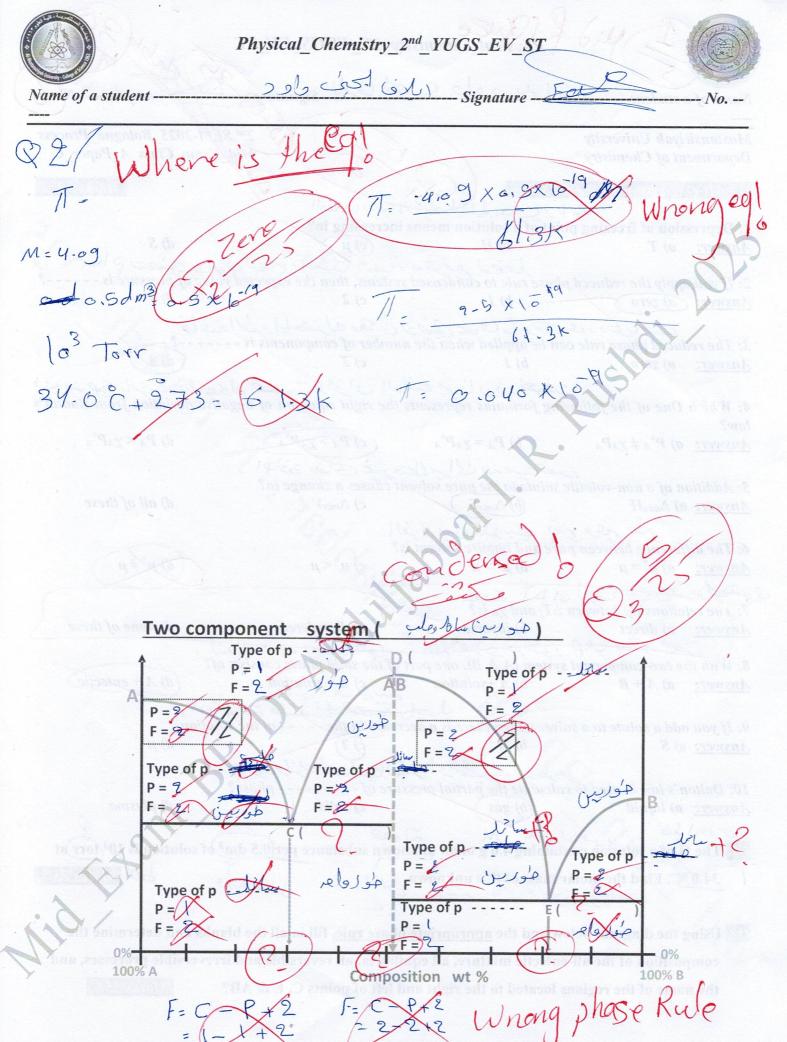
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Mustansiriyah University 2nd Styll-2025_Bologna_	Process
Department of Chemistry  Mid Exam Class A Pag	per_C
01/MCO test (Answer the following) ( ) (Mar	ks 50 %)
الحقام درقة الملفاد الحالم درقة الملفاد الحقام المستحدد ا	13 30 70)
1: Depression of freezing point of a solution means increasing in?	
Answer: a) T b) H (c) $\mu$	OF
2: If you apply the reduced phase rule to condensed systems, then the expected value of pressure is -	NU
	?
	V
3: The reduced phase rule can be applied when the number of components is?	1
Answer: a) zero b) 1 c) 2	10
	12201
4: Which One of the following formulas represents the right equation of negative deviation from	Raoult's
law?	
Answer: a) $P^*_A \neq \chi_A P_A$ b) $P_A = \chi_A P^*_A$ c) $P_A > \chi_A P^*_A$	ı
5: Addition of a non-volatile solute to the pure solvent causes a change in?	
Answer: a) $\Delta_{mix}H$ (b) $\Delta_{mix}S$ (c) $\Delta_{mix}V$ d) all of these	?
6: The difference between pure and impure solvent is?	
Answer: a) $\mu^* = \mu$ b) $\mu^* > \mu$ c) $\mu^* < \mu$	
7. The relationship between AT and wis?	
7: The relationship between $\Delta T_f$ and $\chi_B$ is?  Answer: a) direct b) inverse c) disordered d) none of the	25.0
Cocosio del por spela Cinstada de son ellos	ese
8: With the two-component system (A & B), one part of the solid phase consists of?	
Answer: a) $A + B$ b) $A$ +solution c) $B$ + solution d) $A$ + eutectr	ic
les tiels clès délà l'al'al	
9: If you add a solute to a solvent, then there is a decrease in the of the solution.	
Answer: a) $S$ b) $H$	
عَ نَوْنَ عَانُول الْحَيالِ الْحَوْلِ الْحَيالِ الْحَوْلِ الْحَيْلِ الْحَوْلِ الْحَيْلِ الْحَوْلِ الْحَيْلِ الْحَوْلِ	
10: Dalton's law is used to calculate the partial pressure of phase?  Answer: a) liquid b) gas c) solid d) plasma	
Answer: a) liquid (b) gas c) solid d) plasma	O
The II of a solution containing 4.0 g of an unknown substance per 0.5 dm <sup>3</sup> of solution is 1,0 <sup>3</sup> to	mm 64
1 24 0 0 0 0 0	rrat
1 34.0 °C. Find the molar mass of this unknown. Just and det Mar	ks 25%)
Using the diagram below and the appropriate phase rule, fill in all the blanks and determine	he
composition of the all-entectic mixture all equilibria all reversible and irroversible processes	and

the name of the regions located to the right and left of points C, E & AB?



Mo\_17-03-2025 With my best wishes Dr Abduljabbar I. R. Rushdi