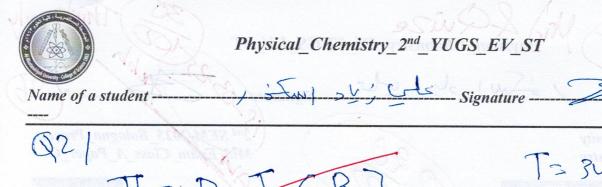
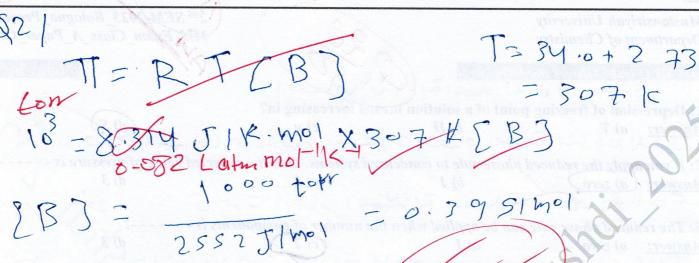
1.5 Uh & Quize	30 Thirty or
Physical Chemistry 2nd YUGS EV S	ST (150)
Name of a student Signature	No. 2
Mustansiriyah University	and SEM-2025_Bologna Process
	And Estam_Class_A_Paper_C
01/MCO test (Answer the following)	(Marks 50 %)
1: Depression of freezing point of a solution means increasing in?	1 (cx
Answer: a) T	a) \$ 1510 (1)
2: If you apply the reduced phase rule to condensed systems, then the expect	ed value of pressure is?
Answer: (a) zero) b) 1 c) 2	d) 3
3: The reduced phase rule can be applied when the number of components is	
Answer: a) zero b) 1 (c) 2	d) 3
à حد أبعرد المجدد الاجراف لفانون رؤوات	الله من عليه
4: Which One of the following formulas represents the right equation of I law?	negative deviation from Raoult's
Answer: a) $P_A^* \neq \chi_A P_A$ b) $P_A = \chi_A P_A^*$ c) $P_A > \chi_A P_A^*$	$d) P_A < \chi_A P^*_A$
10 1 - 56 N N LOG NO 150 00 10	u) r _A - _{XA} r _A
5: Addition of a non-volatile solute to the pure solvent causes a change in?	
Answer: a) $\Delta_{mix}H$, b) $\Delta_{mix}S$	d) all of these
الفرق بين المخ يب النع والمخيب الغ	
6: The difference between pure and impure solvent is? Answer: a) $\mu^* = \mu$ $(u^* < \mu)$	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
	d) $\mu^* \neq \mu$
XB o w co xel	SINUL TOUR
7: The relationship between ΔT_f and χ_B is?	
Answer: a) direct b) inverse c) disordered	d) none of these
8: With the two-component system (A & B), one part of the solid phase const	ists of?
Answer: a) $A + B$ (b) $A + solution$ c) $B + solution$	d) A + eutectic
is is it is of the sol of the sol it is a sel	012121
9: If you add a solute to a solvent, then there is a decrease in the of the	
Answer: a) S (b) H (c) T	d) μ
10: Dalton's law is used to calculate the partial pressure of phas	se?
Answer: a) liquid b) gas c) solid	d) plasma
102 The Π of a solution containing 4.0 g of an unknown substance per 0.5	dm ³ of solution is 10 ³ torr at
34.0 °C. Find the molar mass of this unknown.	(Marks 25%)
Type of p y Let	Co o

Using the diagram below and the appropriate phase rule, fill in all the blanks and determine the composition of the all-eutectic mixture, all equilibria, all reversible and irreversible processes, and the name of the regions located to the right and left of points C, E & AB? (Marks 25%)





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