	& Quize		go Twenty
() A	Physical_Chemistry	2 nd _YUGS_EV_ST	(100)
Name of a student	حسون فالر	Signature 3	No. 2
Mustansiriyah University	even //al/	2mt \$1	EM 2025_Bologna_Process
Department of Chemistry	LAININ		exam_Class_A_Paper_C
01/MCO test (Answer the fo	در في الالكهاد ollowing) في در مستوط الم	(30) TA	(Marks 50 %)
1: Depression of freezing po		icreasing in?	(
Answer: (a) T	<i>b) H</i>	c) µ	d) S
2: If you apply the reduced p	hase rule to condensed sy	stems, then the expected va	lue of pressure is?
Answer: a) zero	b) 1	(c) 2	d) 3
3: The reduced phase rule co	an be applied when the nu	mber of components is	?
Answer: a) zero	(b) 1	c) 2	d) 3
4: Which One of the follow law?	ing formulas represents t	he right equation of negat	ive deviation from Raoult's
Answer: a) $P^*_A \neq \chi_A P_A$	$b) P_A = \chi_A P^*_A$	c) $P_A > \chi_A P^*_A$	$(d) P_A < \chi_A P^*_A$
5: Addition of a non-volatile	solute to the nure solvent	causes a change in?	
Answer: a) $\Delta_{mix}H$	b) $\Delta_{mix}S$	C) Amix	d) all of these
6: The difference between pr	ure and impure solvent is?	1900	
Answer: (a) $\mu^* = \mu$	b) μ*> μ	c) \(\mu^* < \mu\)	d) $\mu^* \neq \mu$
7: The relationship between	ΔT_f and γ_B is?		V
Answer: a) direct	b) inverse	c) disordered	d) none of these
8: With the two-component s	system (A & B), one part o	f the solid phase consists of c) B + solution	d) $A + eutectic$
		C) B + solution	u) A + euleclic .
9: If you add a solute to a so	lvent, then there is a decre	ase in the of the sol	
Answer: a) S	(b)	et also	d) μ
10: Dalton's law is used to co	alculate the partial pressu	re of phase?	
Answer: (a) liquid	b) gas	c) solid	d) plasma 👡
O2 The II of a solution con	taining 4.0 g of an unknow	wn substance nor 0.5 dm³	of solution is 103 torm at
	• 1 - 1	with substance per 0.5 dim	DOT NAME
34.0 °C. Find the molar	الورث المجزيع	ale XI	(Marks 25%)
03/ Using the diagram belo		ase rule, fill in all the blan	ks and determine the
		bria, all reversible and irr	

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

(Marks 25%)

