	1 & Quize		JA Twenty
	Physical_Chemistry	y_2nd_YUGS_EV_	SZ-25 (700) only
5		(8-	Jack Jack
Name of a student	Com Charle	Signature SA	No. 2 2
Mustansiriyah University		214	M-2025 Bologna Process
Department of Chemistry		Min	Exam_Class_A_Paper_D
Q1/ MCQ test (Answer t	be following) a		(Marks 50 %)
ف من (لمنعمات	عادة العلى للسسا عميه يدو	50	(marks so 70)
1: The Gibbs phase rule i	s interested in two variants?		
Answer: ap & T	b) F & T	c) p & conc.	d) T & conc.
ول ارتعاع با	عندا فأفت لللح الح الماء مع	ماذار سكو فع	S. 8 2
2: What do you expect if y	you add NaCl to H2O, an incre	ase in the?	
Answer: a) LP	b) VP	(c) FP	d) BP
	لاجلالا علامة	در می در	المحادث المالة
	2 in the phase diagram meets?		
Answer: a) at 1 atm	b) over 1 atm	c) below 1atm	dy at any pressure
م لع له نهاني	الطورا		C. L.
4: The phase of super coor Answer: a) gas		a) solid '-	1) plane
	و المادل و المالية	2 - 1 - 2 1 ) )	d) plasma
	inere when the number of vari	ants is two and the nu	mber of components is one?
Answer: a) zero	b) 1	0	d) 3
6. The Clansman amonto	رما رها با	c general	62 JU OUSLES
Answer: (a) mett. & free	n can be applied when there is b) sub. & depo.	c) vap. & cond.	en one of the following?  d) all of these
Lieby.	الله الله الله الله الله الله الله الله	c), vap. & cona.	a) an of these
7: The relationship between	on VP and mis	100	
Answer: a) direct	sb) inverse	(c) disordered	d) none of these
سارس لاداب	un le le de des	لذا على للذري	1(3) - 38/61 AV/61
8: If you add a	to a solvent, then there is a cha	nge in the colligative	properties of the solvent.
Answer: a) non-volatile s		c) pure solute	d) pure solvent
الهلح الأرموريات	الم المعالم ( المودي و الم	Xtype	سيدم لدفع ال
9: Osmotic process is used Answer: a) solute	d to push the solvent to the	(c) mixture	d) pure solvent
	V'A *		
10- One of the most impos	retart honofite of maggining mo	نفیام الوزن الحد	is to study the change in
Answer: (a) m	b) II	c) V	d) n
	Ceus Cu	نطا حراضاله ٠٠	" reve
Cal' A	ie d'adjoi	ري م الم الم الم الم الم الم الم الم الم ا	علودالعظ النفاري -
02/05 mal of a ron P se	Just was added to 120 mal of	D solvent VD*: 12	OLD - 1205 K WILL ALL WILL
0.5 moi of a non-F-sc	عیم کا مختی ربزند اف	P-solvent, VP is 12.	0 kPa at 295 K. What is the VP at
295 K? Determine th	e deviation of this solution from	om Raoult's law whe	re $VP_{ideal} = 10 \text{ kPa.}$ (Marks 25%)
. 7	Va,	Lealor Pa Cu G) [	a) A
Mo		(74)	Circle Cia
O2 Plot the phase diagram	om of the greaton (A. P. D.)		
riot the phase diagra	am of the system (A & B) assu	med that (A & B) do	not react with each other. A
freezes at (-6 °C) and B freezes at (8 °C), and that an eutectic mixture is formed when the ratio is 60 wt			
% of A and that the eutectic melts at [-9°C], then label all the parts (p & F) of the diagram? (Marks 25%)			
			el , fell 515 (6 B = 40)
		- 50,000	وا على الراور الم
Mo 17 02 2025	Doctuit	ot in	Du Abdullabhaa I D. D. I. I.
Mo_17-03-2025	Best wishe	2	Dr Abduljabbar I. R. Rushdi

-36.8 FKPa d) alf of these 1 @ A = valoraziton OB= suPlimetion