(15)	Physical_Chemistry	2 nd YUGS_EV_ST	30 Thirt
Name of a student	phia Pring	Signature	No.21
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Mustansiriyah University		2nd SEA	1-2025_Bologna_Process
Department of Chemistry		Mid-Ex	cam_Class_B_Paper_B
01/MCO test (Answer the fol		.59	(Marks 50 %)
1: If the relation between the	amount of solute and the	It is proportional, then the	right equation is?
Answer: a) ΠαVP	b) ПаВР	с) Па V	(d) II a [B]
2; If the deposition is dominate	Ak then one of the follow	wing will be true	001
Answer: a) $\Delta_{vap}H = +ve$		(c) $\Delta_{sup}H \neq +ve$	$d) \Delta_{sub}H = -ve$
	1.	1	A A /
عا هو مدو العظوار 3: How many phases are ther	en el veen been	ودفون بر	
3: How many phases are there	e when the number of va	riants is one and the number	of components is one?
Answer: a) zero	b) 1	(c) 2	d) 3
E = X-X +2	نهل الانطاف الوجه		
4: Which One of the following	formulas represents the	right equation of positive de	viation from Raoult's law?
Answer: a) $P_A^* \neq \chi_A P_A$	$(b) P_A = \chi_A P_A$	c) $P_A > \chi_A P^*_A$	$d) P_A < \overline{\chi_A P^*_A}$
	ale 4	1	
5: Addition of a non-volatile s	solute to the pure solvent	causes a change in?	
Answer: a) $\Delta_{mix}H$	b) $\Delta_{mix}S$	(c) Amix V	d) all of these
عداد الاجوار	وعدد دجياك الحرب	فيهم الانزاك	
6: How many p and F of CO2	when it is positioned at t		
<u>Answer:</u> a) $p = 2 \& F = 1$	$(b) p = 3 \& F \neq 0$	c) $p = 1 \& F = 2$	d) $p = 2 \& F = 2$
جاء ذايج	م وحول	1.0	
7: Liquid water and ice are fo	rmed from?	Alaca tagaaan	11.46
Answer: a) 1 C	6020	c) 3 C	d) 4 C
8: With the two-component sy	stem (Ph & Ag), one par	t of the solid phase consists of	of?
Answer: (a) pb/+ Ag	b) Pb +solution	c) Ag + solution	d) Pb + eutectic
Answer: (a) po 175	0) 10 . 301111.011	c) 11g · sormion	
9: If you add a non-polar solu	uta to a nownowe solven	t than the expected type of m	ixture will be law
Answer: a) Van't Hoff's	b) Ragine's	c) – ve form Raoult's	d) + ve form Raoult's
Answer: u) van i 110jj s	(b) Rudit 3	c) ve join Ruouu s	To say?
10 10:	VI VI - CI	CII Cupul ed lo	
10: If it is required to calcula	And the Contractor of the Cont		d) Van't Hoff
Answer: a) Raoult	b) Henry	c) Dalton	a) van i Hojj
The state of the s			
O2 The VP of pure benzene	is 75 mmHg/at 20 °C/a	nd VP of pure toluene is 25	mmHg at 20 °C. The
No.	5	hat is the partial VP/of each	
more ir action of each pe	Tomponent in ordination	The same of the sa	(Marks 25%)
10			(Marks 23/0)

03 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%)



Physical Chemistry 2nd YUGS EV ST



Name of a student . - Signature ---

