a ff.	18 1,000	(3	30 to be and
(-5) 40	Physical_Chemistry	y_2nd_YUGS_EV_ST	
15/	G_{1}		(1) V/
Name of a student	ر دیم دوای	يدر Signature	No4
Mustansiriyah University		a 2nd 5	EM-2025_Bologna_Process
Department of Chemistry		Mig	Exam_Class_B_Paper_B
01/MCO test (Answer the fo	ollowing)	50	(Marks 50 %)
1: If the relation between the	amount of solute and the	II is proportional then to	he right equation is?
Answere a) II a VP	h) II a RD	a) II a V	ONTI TO
(/,IP	ated, then one of the follow	مر المالية العالق	
2: If the deposition is domina	ited, then one of the follow	wing will be true.	المالكية عن المالكية عن المالكية
Answer: a) $\Delta_{vap}H = +ve$	$\Delta vap H = -ve$	$C) \triangle subH = +ve$	d) $\Delta_{sub}H = -ve$
	1 clister,	لافام رون مق المواح ا	Lion se Ixon
3: How many phases are the	re when the number of va	riants is one and the num	ber of components is one?
Answer: a) zero	b) 1	c) 2	d) 3
		ه ي الموص عن عافق وردلت	ما هد الامنار المحيح الذي المنافرة
4: Which One of the followin	g formulas represents the	right equation of positive	deviation from Raoult's law?
Answer: a) $P_A^* \neq \chi_A P_A$	$b) P_A = \chi_A P^*_A$	$(c) P_A > \chi_A P_A^*$	$d) P_A < \chi_A P^*_A$
	س مغر اقد الدوال التالية	الفائة وزاء في مدقاء	•
5: Addition of a non-volatile			
Answer: a) $\Delta_{mix}H$	b) AmixS	c) $\Delta_{mix}V$	d) all of these
انزن الطور	لحوية حنايكان مدم و وي ماعة	واهر عدر اله في رورطات ا	
6: How many p and F of CO:	when it is positioned at t	he boundary of the phase	?
Answer: a) $p = 2 & F = T$	b) $p = 3 \& F = 0$	(c) $p = 1 & F = 2$	d) $p = 2 \& F = 2$
ه د الله سکون می المکون	اعاء العالل	100	
7: Liquid water and ice are for	ormed from?		
Answer: a) 1 C	(b) 2 C)	c) 3 C	d) 4 C
المرا العلت تكون من	على بالمحد الإلام الكرم الكرم وقالع	سكام شائي المتكن من الحصا	20
8: With the two-component s Answer: a) pb + Ag	b) Pb +solution		
Answer: u) pv +Ag	-8/	c) Ag + solution	d) Pb + eutectic
0. 16	(النوع	عر منطاء المعني عومتطاء ان	اداع اضافه عدا
9: If you add a non-polar sol Answer: a) Van't Hoff's	(b) Raoult's	c) – ve form Raoult's	
Answer: u) van i 110jj s	O Rabatis	a in cmiT	d) + ve form Raoult's
10. If it is manyined to calcula	statha V than an a of the	a ho about be	121
10: If it is required to calcula Answer: a) Raoult	b) Henry	c) Dalton	olicable?
Miswer. u) Rubun	b) Henry	c) Dunon	aj van i Hojj
			bàsedu l'il
O2 The VP of pure benzene	is 75 mmHg at 20 °C, ar		
mole fraction of each pu	are component is 0.5. Wh	at is the partial VP of ea	ch component after mixing?
16:3		للخاري للنهل الذي ٢ ما صد الحدة	
03/Using the diagram below	v and the appropriate ph	ase rule, fill in all the bla	nks and determine the
			reversible processes, and
	located to the right and l		(Marks 25%)



Physical_Chemistry 2nd YUGS EV ST



Name of a student -Signature -

