1 H	Physical_Chemist	ry_2nd_YUGS_EV_ST	20 Twinty a
Name of a student	is telles	Signature Of	25 10.1
Mustansiriyah University		2nd S	SEM-2025_Bologna_Process
Department of Chemistry			Exam_Class_A_Paper_C
Q1/MCQ test (Answer the fo	ollowing)	30) 00	(Marks 50 %)
1: Depression of freezing po	oint of a solution means	increasing in?	
Answer: (a) T	b) H	c) µ	d) S
2: If you apply the reduced p Answer: a) zero	hase rule to condensed	systems, then the expected v c) 2	value of pressure is? d) 3
(tie	or Joseph Market	No Wice walks	AA
3: The reduced phase rule co	in be applied when the n	number of components is	?
Answer: a) zero	(b) 1	c) 2	d) 3
	Les Lad	all y delen	White Date
4: Which One of the follow	ing formulas represents	the right equation of nega	tive deviation from Raoult's
law? <u>Answer:</u> 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 nume solver		
Answer: a) $\Delta_{mix}H$	b) $\Delta_{mix}S$	c) $\Delta_{mix}V$	d) all of these
6: The difference between pu	ing and impung column is		
Answer: a) $\mu^* = \mu$	b) $\mu^* > \mu$	c) u*< µ	d) $\mu^* \neq \mu$
		110	
7: The relationship between Answer: a) direct	ΔT_f and χ_B is? b) inverse	c) disordered	d) none of these
Q. With the two components	nuctaria (A. P. D.) auto mant	64 - 11-1	M
8: With the two-component s Answer: (a) A + B	b) A +solution	c) B + solution	d) A + eutectic
0. 16 add - add 4	o Kalkuso J	as Tolla	haled a glassian state of
9: If you add a solute to a sol Answer: a) S	b) H		
ZHISWELL U/S	2 0)11	c) T	$(d)\mu$
10. Dalton's law is used to a	aloulate the mantial mass	y d to agy I / 4 / 4 / 4 / 4	q to aqyT
10: Dalton's law is used to co	b) gas	ure of phase? c) solid	d) plasma
المفعدال دفع	0) 8113	c) soliu	a) piasma
	taining 4.0 g of an unkn	own substance per 0.5 dm ³	of solution is 103 town at
34.0 °C. Find the molar		own substance per 0.5 dm	(Marks 25%)
راورا	47011-		g to say!
03/ Using the diagram below	w and the appropriate n	phase rule, fill in all the bla	nks and determine the
	The second secon	lihria all reversible and in	

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 -Type of p 4-9-4-8 Type of p 30 Mocomposition wt 70 90 Dr Abduljabbar I. R. Rushdi With my best wishes Mo 17-03-2025