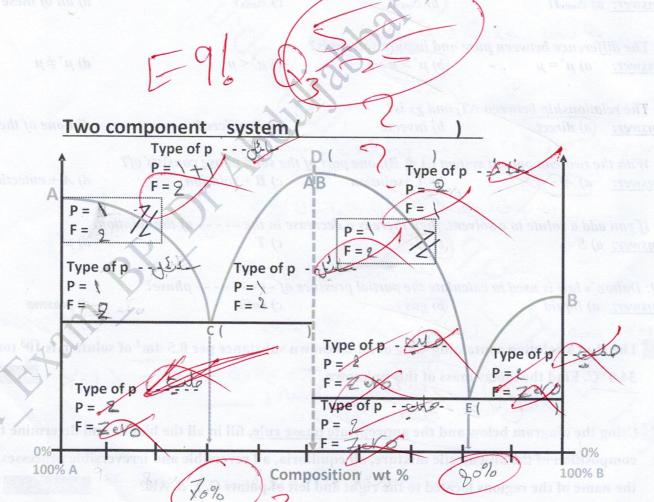
1-5	Physical Chemi	stry_2 <sup>nd</sup> _YUGS_EV_ST	30 Thirty 0
5/9	)		25 1.00
Name of a student	يا في عامر جمار	JSignaryre	Nq.
		(18	
Mustansiriyah University			SEM-2025_Bologna_Process
Department of Chemistry		2)	_Exam_Class_A_Paper_C
O1/MCO test (Answer the f	(ollowing)	الله ألفال الله الله الله الله الله الله الله	(Marks 50 %)
1: Depression of freezing p	oint of a solution mear	is increasing in?	
Answer: a) T	b) H	C) 4) 22 0 36	(d)S
2.16		طول فينتز ( الرفي مي كفي عني في عني المثلاث مع كفي المثلاث المثلاث المثلاث المثلاث المثلاث المثلاث المثلاث الم	ازیم رہانے
2: If you apply the reduced p		d systems, then the expected	
Answer: a) zero	b) 1	CO	d) 3
2 771	ر الم	قاعت العلول المخنة	27
3: The reduced phase rule c	an be applied when the		?
Answer: (a) zero	b) I	c) 2	d) 3
4: Which One of the follow	ring formulas represen	ts the right equation of neg	gative deviation from Raoult's
law?			
Answer: a) $P^*_A \neq \chi_A P_A$	b) P = XAP A	$c) P_A > \chi_A P^*_A$	$d) P_A < \chi_A P^*_A$
5: Addition of a non-volatile		ent causes a change in?	
Answer: a) $\Delta_{mix}H$	$(b) \Delta_{mix}S$	c) $\Delta_{mix}V$	d) all of these
D. 2. 12.	1		
6: The difference between p	ure and impure solvent	is?	
Answer: a) $\mu^* = \mu$	(b) μ*>μ	$c) \mu^* < \mu$	d) $\mu^* \neq \mu$
7: The relationship between	AT cand un is?	111	
Answer: (a) direct	b) inverse	c) disordered	d) none of these
يدارف أوراها والعالم المركة			u) none of these
8: With the two-component	system (A & B), one pa	rt of the solid phase consists	s of?
Answer: (1) A + B	b) A +solution	c) B + solution	d) A + eutectic
(12 (3-2))	مدار الى فديم محمول	-01012 13 1	
9: If you add a solute to a so	lvent, then there is a de	ecrease in the of the	solution.
Answer: a) S	(b) H	c) T	d) μ
- 0	Jusia lesson	-1 - 2 7 79	- o to pout
10: Dalton's law is used to c	alculate the partial pre	ssure of phase?	
Answer: a) liquid	(b) gas	c) solid	d) plasma
المقوافد موز	و عرام حال		and mosta ein
22 The Π of a solution con			n <sup>3</sup> of solution is 10 <sup>3</sup> torr at
24.000 Fi 14.054.2	حداد فالح	shown substance per 0.5 un	or solution is 10 torr at
34.0 °C. Find the motar	mass of this unknown	N-W12 - +2 R3	= 6 13 K (Marks 25%)
03/ Using the diagram belo	w and the appropriate	350	lanks and determine the
composition of the all-eutectic mixture, all equilibria, all reversible and irreversible processes, and			
Y		nd left of points C, E & AB	



## Physical\_Chemistry\_2<sup>nd</sup>\_YUGS\_EV\_ST



Name of a student -- Signature --



100% A