	Mehysical Chemist	ry_2 <sup>nd</sup> _YUGS_EV_ST_	80 Twenty
Name of a student	Lew 2 Joles		No 2
Mustansiriyah University			M-2025_Bologna_Process
Department of Chemistry		Mid_E	xam_Class_B_Paper_B
01/MCO test (Answer the	following)	50/	(Marks 50 %)
1: If the relation between	the amount of solute and th	he II is proportional, then the	right equation is?
Answer: a) $\Pi \alpha VP$	b) П а BP	с) П а V	(d) II a [B]
2: If the deposition is dom	inated, then one of the foll	owing will be true	00
Answer: a) $\Delta_{vap}H = +ve$	b) $\Delta_{vap}H = -ve$	C)∆suhH +ve	$d) \ \Delta_{sub} H = -ve$
3: How many phases are t	here when the number of v	variants is one and the number	r of components is one?
Answer: a) zero	a BDD	c) 2	d) 3
4: Which One of the follow	ving formulas represents th	ne right equation of positive de	viation from Rapult's law?
Answer: a) $P^*_A \neq \chi_A P_A$	$b) P_A = \chi_A P^*_A$	c) $P_A > \chi_A P^*_A$	$(d)P_A > P^*_A$
5: Addition of a non-volati	ile solute to the pure solver	nt causes a change in?	
Answer: (a) Amix 11	b) $\Delta_{mix}S$	c) $\Delta_{mix}V$	d) all of these
6: How many p and F of C	O <sub>2</sub> when it is positioned at	t the boundary of the phase?	
Answer: a) $p = 2 \& F =$		$p = \sqrt{2}$	d) $p = 2 \& F = 2$
7: Liquid water and ice ar	e formed from?	1100	
Answer: a) C	b) 2 C	c) 3 C	d) 4 C
	t system (Pb & Ag), one po b) Pb +solution	art of the solid phase consists of	
Answer: (a)pb + Ag	b) Fo +solution	c) Ag + solution	d) Pb + eutectic
9: If you add a non-polar s Answer: a) Van't Hoff's	b) Raoult's	nt, then the expected type of m c) ve form Raoult's	nixture will be law. d) + ve form Raoult's
10: If it is required to calc Answer: a) Raoult	ulate the $Y_A$ , then one of the b) Henry	ne following laws will be applied c) Dalton	cable?
all	Type of p - Tipe		
The VP of pure benze	ene is 75 mmHg at 20 °C,	and VP of pure toluene is 25	mmHg at 20 °C. The
mole fraction of each	pure component is 0.5. W	hat is the partial VP of each	component after mixing?
160	- L 121 / 2/25	المراضع الأربي المربي	(Marks 25%)
William Alex Mineral Land		ohase rule, fill in all the blank	

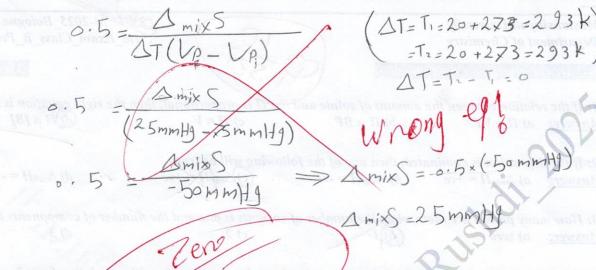
the name of the regions located to the right and left of points C, E & AB?



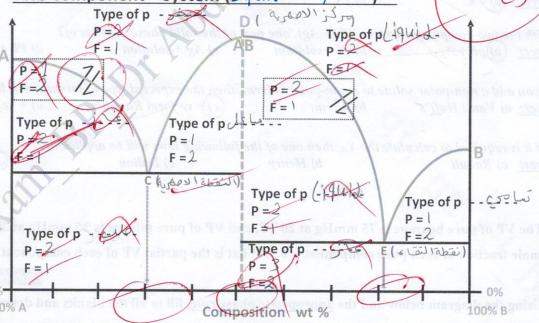
## Physical\_Chemistry 2nd YUGS EV ST



Name of a student Signature -



Two component system (Liquid - Liquid



F=C-P+1