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		1	2500/
Name of a student	Jup Cals CSA	Signature S	Nd.19)
Mustansiriyah University		2nd SE	M-2025_Bologna_Process
Department of Chemistry		Mid K	xam_Class_B_Paper_B
OI/MCO test (Answer the for	Howing)		(Marks 50 %)
1: If the relation between the	amount of solute and the	II is proportional, then the	right equation is?
Answer: a) II a VP	b) II a BP	e) II a V	(d) II a [B]
2: If the deposition is domina	ted, then one of the follow	ving will he true	00
Answer: (a) $\Delta_{vap}H = ve$	b) $\Delta_{vap}H = -ve$	c) $\triangle_{sub}H = +ve$	$d) \Delta_{sub}H = -ve$
	La State Land Land on	with a part of the state of	11/
3: How many phases are ther	A STATE OF THE PROPERTY OF THE	iants is one and the number	r of components is one?
Answer: a) zero	b) 1	(c) 2	d) 3
		WALL STATE OF THE	
4: Which One of the following			
Answer: a) $P^*_A \neq \chi_A P_A$	$(b) P_A = \chi_A P^*_A$	c) $P_A > \chi_A P^*_A$	$d) P_A < \chi_A P^*_A$
5.4110. 6 1.01		and alpha	
5: Addition of a non-volatile s <u>Answer:</u> a) $\Delta_{mix}H$	solute to the pure solvent of b) $\Delta_{mix}S$	-	d) all of these
THISWELL U) DMIXIT	O) \(\Delta mix\sigma\)	c) $\Delta_{mix}V$	d) all of these
6: How many p and F of CO2	when it is nositioned at the	a houndam of the phase?	
	b) $p = 3 \& F = 0$	(c) $p = 1 & p = 2$	d) $p = 2 \& F = 2$
), p = 0 a 1 = 0	and the second second second	<i>u) p 2 & 1 2</i>
7: Liquid water and ice gre fo	rmed from?	100	
Answer: (a) 1 C	b) 2 C	c) 3 C In snogm	d) 4 C
	100	and says	u) 1 C
8: With the two-component sy	stem (Pb & Ag), one part	of the solid phase consists	of?
Answer: a) $pb + Ag$	b) Pb +solution	c) Ag + solution	d) Pb + eutectic
			the state of the s
9: If you add a non-polar solu			nixture will be law.
Answer: a) Van't Hoff's	b) Raoult's	c) - ve form Raoult's	d) + ve form Raoult's
	Za / Business	The total of the second	The state and the state of the
10: If it is required to calculate		following laws will be appli	cable?
Answer: a) Raoult	b) Henry	c) Dalton	d) Van't Hoff
The second			
72 The VP of pure benzene	is 75 mmHg at 20 °C, an	d VP of pure toluene is 25	mmHg at 20 °C. The
property and a final section of			
more fraction of each pu	7.e Component is 0.5. Wife	at is the partial VP of each	
10	X2 05		(Marks 25%)
O3 Using the diagram below	and the appropriate pha	ase rule, fill in all the blank	ks and determine the
composition of the all-eu	itectic mixture, all equilil	oria, all reversible and irre	versible 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

T=20c+273k T=293 K R=75mmHg.

