1.5	Sport &	Quize	and vivida avv	(30)	Thirty of
5			_2 nd _YUGS_EV_	ST	
Name of a student		ت كاظم زي	Signature	03 1 Ma	No. 4
Mustansiriyah Uni	versity			2nd SEM 2025	5 Bologna Process
Department of Che	mistry	(0)			Class_B_Paper_B
Q1/MCQ test (Ans	wer the following)	(Q)	50/	لعلا قصت الي	(Marks 50 %)
1: If the relation be	tween the amount of	f solute and the	II is proportional, Th	en the right e	quation is?
Answer: a) $\Pi \alpha V$		a BP	c) II a V		Πα[Β]
	is dominated, then o	one of the follow		ord.	Ser V
Answer: a) $\Delta_{vap}H$	$I = +ve$ (b) Δ_{vap}	H≠-ve	c) $\Delta_{sub}H = +ve$	_	$\Delta_{Sub}H = -ve$
3: How many phase	es are there when the	e number of var	rants is one and the	number of coi	ما موعد الدطور ا mponents is one?
Answer: a) zero	(b) 1	×	c) 2	d d	13 all 9,0 V.C.
4: Which One of th	e following formulas	represents the	right equation of pos	itive deviation	from Raoult's law!
Answer: a) $P^*_A \neq j$		$=\chi_A P^*_A$	c) $P_A > \chi_A P_A^*$		$P_A < \chi_A P^*_A$
5: Addition of a nor	n-volatile solute to th	e nure solvent	causes a change in?		
Answer: a) $\triangle_{mix}H$	b) Δ_n		c) Amix	d)	all of these
(. II	IF CCO 1 - W		فطالانزان	E	
	$ \begin{array}{l} F \text{ of } CO_2 \text{ when it is} \\ & F = 1 \\ & b) p = \end{array} $		c) $p = 1 \& F = 2$		p = 2 & F = 2
3 - +		1			
	l ice are formed from		120		
Answer: (a) 1 C	b) 2 C	NO	c) 3 C		14 C
	nponent system (Pb o				
Answer: a) pb +	Ag b) Pb	+solution	c) Ag + solution	<i>d)</i>	Pb + eutectic
9: If you add a non	-polar solute to a noi	n-polar solvent,	then the expected ty	pe of mixture	will be law.
Answer: a) Van't I			c) - ve form Raoi		+ ve form Raoult's
	to calculate the Y_A , t		following laws will b	e applicable?	
Answer: a) Raouli	فغغ	b) Henry	c) Dalton	5 q10.0q	d) Van't Hoff
O2/ The VP of pur	e benzene is 75 mml	Hg at 20 °C, an	d VP of pure toluen	e is 25 mmHg	g at 20 °C. The
mole fraction	of each pure compor	nent is 0.5. Wh	at is the partial VP of	of each compo	
. 22	to egyT\	5			العفظ البحاري
(Marks 25%)	JP 0	1 -1	3	l a to sav	
Q3/ Using the diag	ram below and the a	appropriate ph	ase rule, fill in all th	e blanks and	determine the
	f the all-eutectic mix	/ Pest		1 -	
the name of th	e regions located to	the right and le	eft of points C, E &	AB?	Marks 25%)

Thus_13-03-2025

With my best wishes

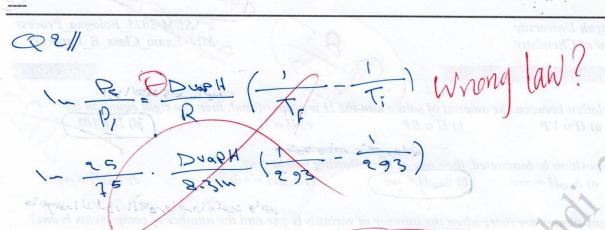
Dr Abduljabbar I. R.



Physical_Chemistry_2nd_YUGS_EV_ST



Name of a student ----- No. -



DVap H= 1-098

E9?

