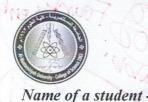
	(2)	Physical_Chemistry	and VIIGS EV	ST
	15/			325 100
Name of	a student -	, عبد الرثرة ك	Signatur	
	a statent		Signanik	10
Mustans	iriyah University			2nd SEW 2025_Bologna_Process
Departm	ent of Chemistry		30	Mid Exam_Class_A_Paper_C
O1/MCC	O test (Answer the	following)	30	(Marks 50 %)
		point of a solution means in		
Answer:	a) T	(b) H)	с) µ	d) S
2: If you	apply the reduced	phase rule to condensed sys	stems, then the expe	ected value of pressure is ?
Answer:	a) zero	(b) 1	c) 2	d) 3
	- F - 70	1256 Lol 3040 C	SVOLOP	- 1
		can be applied when the nur	mber of components	s is?
Answer:	a) zero	b) 1	(c) 2	d) 3
		الأراف ليور رولوليو	Wisterly and	mellar Ru Ji
4: Which law?	One of the follow	wing formulas represents th	he right equation of	f negative deviation from Raoult's
Answer:	a) $P_A^* \neq \chi_A P_A$	$b) P_A = \chi_A P^*_A$	c) $P_A > \chi_A P^*_A$	d) $P_A \sim \chi_A P^*_A$
	المراب العر	Aldless suit	i delle	Amazan alita arrita francis in canada anaga ganif
		e solute to the pure solvent	causes a change in?	_
Answer:	a) $\Delta_{mix}H$	b) $\Delta_{mix}S$	c) $\Delta_{mix}V$	d) all of these
34	لافتي والمعور	13 may company all	12.02	and the state of t
		oure and impure solvent is?	100	
Answer:	$a) \mu^* = \mu$	(b) $\mu^* > \mu$	$c)\mu^*<\mu$	d) $\mu^* \neq \mu$
<b>.</b>	/	W SHOW	10	
7: The re	lationship between	$\Delta T_f$ and $\chi_B$ is?	ent asystems	Two compon
Answer:	(a) direct	b) inverse	c) disordered	d) none of these
8: With t	he two-component	system (A & B), one part of	f the solid phase con	esists of?
Answer:	(a)A+B	b) A +solution	c) B + solution	(d) $A + \text{eutectic}$
July 1	- Commence of the Commence of	2000 10 1151	4 1 so 52507	enlish
9: If you	add a solute to a se	olvent, then there is a decre	ase in the of	the solution.
Answer:		b) H	(c) T	d) μ
get se	3520	Color Olys	A STATE OF THE STA	2 - 2 - 11 /O add/
10: Dalto	n's law is used to	calculate the partial pressur	re of ph	ase?
	a) liquid	(b) gas	c) solid	d) plasma
		Type of p		
Q2/ The	Π of a solution cor	ntaining 4.0 g of an unknov	vn substance per 0.	5 dm <sup>3</sup> of solution is 10 <sup>3</sup> torr at
		r mass of this unknown.		(Marks 25%)
A.	The mola			(Marks 23 %)
. 1	11 8			NA ALL
Q3/Usin	g the diagram belo	ow and the appropriate ph	ase rule, fill in all th	he blanks and determine the
com	position of the all-	eutectic mixture, all equili	bria, all reversible	and irreversible processes, and

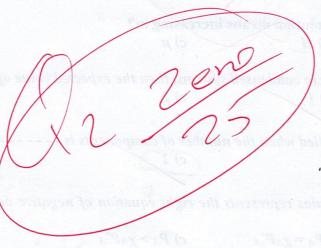
the name of the regions located to the right and left of points C, E & AB?

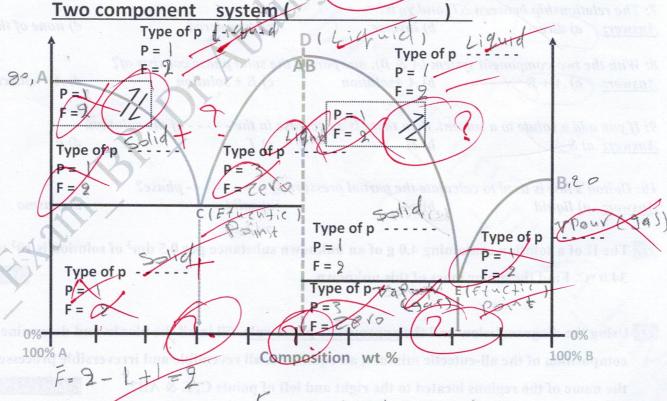
(Marks 25%)



Physical\_Chemistry\_2nd\_YUGS\_EV\_ST







F=2-3+1=2e10 F=2-1+1=