			ER
		(B) What is modified Roult's law? How we can use it in the series of the	First
	Remembering		t F
	Remembering		a
3 X 2			nk
		d. a closed system with change in composition	(e
		b. a closed system of constant composition c. an open system with change in composition	r.c
		6.the equation $dU = I dS - F dV$ is applicable to minimum.	01
	Understanding	The DAV is applicable to infinitesimal changes occurring in	m
		b.zero c. three	
		a. one	
	Remembering		
		c. they represent the contribution of individual component to the solution properties	
		a. they are intensive properties	 1811. 1811.
ww	Understanding	4. which one of the following is incorrect with respect to partial molar properties?	
vw.F			
irs		a. an extensive property b. an intensive property	
tRa		3. Chemical potential is	
nke	Understanding	d. the loss in capacity to do work	
er.c			
om_		a, the maximum	
		2. at constant temperature and pressure, the decrease in the second of	
	Understanding	110000	
		c. The temperature should be same in two phases	
		1,2	
	Onderstanding	between two phases is	
		Pick the correct alternative for the following question	9
7 3	(Level/CO) Ivial		
5	Š		
		2. Figures to right indicate marks 3. If any data is missing, you may assume it and mention it in your answer sheet	
		Instructions to the Students: 1 Ouestion 1 is compulsory and carries 6 marks	
		Dillation	
		rmodynamics-II Subject Code: D10	
	10 70	Semeste	
		Mid Semester Examination - September 2019	
368	R.	DR RABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE	1.
Tw)	77-Chem		



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	*** Fig. ***		desired composition	ethanol and water are 53.6* 10 ⁻³ m ³ /mol and 18*10 ⁻³ m ³ /mol respectively at the	Density of ethanol and water are 789 and 997 respectively. Partial molar volume of	mixed in order to prepare a mixture of same strength and of required volume?	alcohol with 0.07m ³ pure water? If not possible, what volume should have been	Will it be possible to prepare 0.1 m ³ of alcohol-water solution by mixing 0.03 m ³	State the Roult's law. Show that it is a simplified form of Lewis –Randall rule.	Solve Any One of the following.	in equilibrium at 373 K and 101.3kPa.	106 74 kPa respectively. Determine the composition of the liquid and vapour	n-heptane and tolune form ideal solution at 373 K, their vapour pressur are
								Analyzing	Understanding				Analyzing
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