	SAP ID - 60004200132
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15 104 12021	Engineering Chemistry DATE:
	Phose Rule - Tutorial 2
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	the read successful alonges for making
(4)	Explain Reduced Phase Rule.
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804	1) In a two component system, when P=2, degree of freedom
	has the highest value i.e. 3 . Three variables temperature
	pressure and concenterations of one of the two components
	must be specified in order to describe the system
	completely.
	2) Since the maximum number of degrees of freedom in a
	two component system is 3, the phase behaviour of a
	binary system may be represented by a three-dimensional
	diagram of pressure, temperature and composition.
	3) Solid - liquid equilibrium of an alloy has practically no
	gos phase and the effect of pressure is small on this
1000	type of equibrium. Usually the experiments are conducted
	under atmospheric pressure.
	4) Thus keeping the pressure constant of a system, in
-6-	which vapour phase is not considered, le known as
	condensed system. It will reduce the degrees of freedom
	of the system by one.
797-14	5) For such a system the phase rule becomes E=C-P+1.
	This is known as the reduced or condensed phase rule,
11761	having only two variables, temperature and concenteration
	(composition) of the constituents.
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