Tot	:al Nu	ımber of Pa	ges : 03							B.Tech
		∠ ti	^h Semeste	r Bogulo	r Evom	inatia	n 2017	10	PC	E5I102
210		210		ess Equ BRANC	iipment	Desig		210		210
			Q	Time : Max Ma uestion		00				
Ar		Question N The fi	gures in th	e right h	and ma	rgin in	ndicate	marks		
210	Ass	sume suitab	ole notation Answer all	ns and ar parts of	a ques	ing da tion at	ta whe a plac	rever n e.	ecessai	y. 210
1.		Answer the	e followina	auestion	s:					(2x10)
	(a)									(====,
			y(1-y)/x(1-x)							
			yx/(1-y)(1-x)							
		-	y(1-x)/x(1-y) None of the							
210	(b)	In McCabe	In McCabe Thiele Plot of continuous distillation operation $x_D/(R+1)$						210	
		represent								
		i. x-intercept of enriching section operating line								
		ii. y-intercept of enriching section operating lineiii. x-intercept of exhausting section operating line								
	(c)	iv. y-intercept of exhausting section operating lineSlope of the feed line in continuous distillation operation is								
210			q/(1-q)	210	2′			210		210
			q/(q-1) q							
			ч (q-1)/q							
	(d)	When minimum solvent is employed in absorption operation, the								
		dissolved component in outlet liquid solvent is								
			Maximum Minimum							
		iii. 2	Zero							
210			None of the					210		210
	(e)									
			HTU-NTU							
			HTU×NTU							
		iv. HTU/NTU								
	(f)									
210		construction i. 210		210	2			210		210
		i.	3 4							
		iii.	5							
	/ N	iv. 6								
	(g)									
			Re, Gr							
		ii.	Re. Pr							
			Re, Pr Pr, Gr							