0 210	21	0 210	210	210	210
R	egistration No	b :			
То	tal number of	f pages : 02			B.Tech PCE3I103
210		BRA Tir Ma: Q.0	IICAL OPERATIC ANCH : CHEM me : 3 Hours x Marks : 100 CODE : E656	N	210
, A	Answer Quest	ion No.1 (Part-I) w	hich is compulse two from Part-II		rom Part-II,
210	21 Th	e figures in the rig			210
		table notations and	•	ata wherever ne	ecessary.
Q1		Answer Type Question	•))	(10 × 2)
210	b) What₂s equipment	hould be the 2 criter	ia for the21selection		
210	 separat d) Give the e) What is f) What ar g) What sp h) Why are i) What is 		followed for screen in the fabrication of e obtained in a pipe d mixers? 210 ler?	designation. f bag filters?	210
			Part – II		
Q2 210	of TWE Answei	r the following quest riefly about the press	tions :	-	(6 × 8)
	 b) Why do smaller c) Discuss d) What ar e) Explain 	o we require more a particles? in detail the various re the applications of briefly the laborator	separation process the floatation techn	es. ique?	
210	 g) Define f h) Find the in a fl Richard 	the theory of vibratio filtration and state the terminal settling velo uid having hindered son–Zaki index is 4.4	factors affecting th ocity of 25 % by volu d settling velocity	ume of sand parti of 4.5 µm/s.	cles
210	j) Discuss k) How is I I) Why is	the construction and the construction and mixing index related t the closed circuit grir method? Draw a ne	working of a bucke o mixing time? iding generally cho	et elevator. sen over open-ci	

210	210	210	210	210	210	210	210
			Pa	art – III			
210	Q3 210	Long Answer T Threetonnes of through a crush the same drive. and product from 1000 m ² /kg resp crusher–grinder 20 %, find the e = 90 m ² /kJ.	m er, 210 nd ne is	210			
210	Q4 210	Forty tonne/h o Screen analysis 62 m ² /kg. The c a hammer mill. m ² /kg. Rittinger the grinder is or same shaft who the other end crusher.Data: D	of 210 in 50 of at ne	210			
210	210	for feed = 3.0 .	210	210	210	210	210
	Q5	A plate-and-fram is being used to Tests indicate f constant press delivered. The c for the above du	n. a is n ²				
210	210	operated at a c and washing. Th at the end of 2 washing is used	er	210			
	Q6	Explain the part the forces actin according to the	ng				
210	210	ratio. ₂₁₀	210	210	210	210	210
210	210	210	210	210	210	210	210
210	210	210	210	210	210	210	210

210 210 210 210 210 210 210 210 210 210