Registration No :												
Total	num	ber of page	s : 03								B.Tech.	
210	Ass	Answer Pa The figume suitab	rt-A whi gures in	EPAR E ch is the i	ATIO BRANG Time Max M Q.CO comp right-h and a	N TEC CH : C : 3 Ho larks : DE : C oulsor nand i ny mis	CHNC CHEN CHEN CHIS CHIS CHIS CHIS CHIS CHIS CHIS CHIS	DLO I d an jin ir g da	GY ny fo ndica ta w	ur fi ate⊧r	rom Part-B. narks. 210 21 ever necessary.	
Q1.		Answer the			Answe		he qu	ıesti	ons)		(2 x 10)	
Q1.	(a)	Answer the Which of th					ane n	nodu	le is	havi	ng maximum	
210	()	packing den i. <sup>21</sup> Plate ii. Spira iii. Tubu	sity (m²/n e and fran al wound	n³) ?			210			210	_	
	(b)			specie	s in re	verse (	osmo	sis is	;			
210	, ,	i. 1 – 1 ii. 10 – iii. 21100 -		210			210			210	210 21	
	(c)	Brix is a sca i. Brine ii. Suga iii. Chlo iv. Alcol	e ar rine	easur	es the	weight	of		in so	lutio	n.	
210	(d) (e)	gel layer?  i. kg/m  ii. m <sup>-1</sup> s  iii. m <sup>-1</sup> iv. m s <sup>-1</sup> Which type	<sup>2</sup> - <sup>-1</sup> of membr	210			210		solve	ent flo 210	ow through a 210 21	
210		iii. Meso iv. Nong	oporous oporous oorous	210			210			210		
	(f)	ii. Cond iii. Solu	sion coef centration bility coef	ficient gradi ficient	ient t	the	0	f der	ise fi	lm m	aterials.	
210		iv. Perm	neability o	210	ii Ci I l		210			210	210 21	

<b>Q</b> (	<b>6.</b>	Blood from a patic hemodialyser at a creatinineconcentration substances are also membrane area is 2 estimated to be 1.3x1 body is about 5.5 liter high, calculate the time is solute free.	a rate of 3 on from 160 mg to expected to be m <sup>2</sup> and the ov 10 <sup>-6</sup> m/s. The vol	302 ml/min to o 16 mg%. The control of the control of the control of the dialysate flood in	o reduce the other undesirable ie process. The fer coefficient is a normal human uid is maintained	210	210
Q	7. (a) (b)	Discuss about Knudse Discuss the factors af			210	210 <b>(8) (7)</b>	210
Q	8. (a) (b)	Briefly discuss the bulk liquid membranes Write briefly about the	S			(2+6) (7)	
<b>Q</b> :	. ,	Write briefly about : Membrane contactor Blood oxygenator Advantages of membrane	210	210	210	210 <b>(5) (5) (5)</b>	210
2	10	210	210	210	210	210	210
2	10	210	210	210	210	210	210
	10	210	210	210	210	210	210
	10	210	210	210	210	210	210