210		210	210	210	210	210	210	210
	F	Regis	stration No :					
	Tota	al Nu	umber of Pages:0	1			P	B.Tech CS4I102
210		210		DESIGN & ANA BR Tiı Ma		nination 2018-19 GORITHMS	210	210
	Α	nsw	ver Question No.1 (Part-1) which is		any eight from F	Part-II and an	y two
210		210	The fig 210			n indicate marks	210	210
	Q1	a)	Short Answer Ty What are the import types with example.			he researchers? E	xplain all the	(2 x 10)
210		b) c) d) 210	What is empirical an Elaborate the simple Explain the fundam analysis processdiag	e factoring algorith entals of algorith gram. ²¹⁰	m with example mic problem so	Iving with algorithm		210
		e) f) g) h) j)	Develop the general Discuss briefly the s What is pseudo code Explain various crite Describe briefly the Explain the various a	equence of steps e? Explain with ar ria used for analy notions of comple	in designing and example. zing algorithms. xity of algorithm.	analyzing algorithr	n.	
210	Q2	210	210 Focused-Short Ans	210 Swer Type Quest	Part- II ¹⁰	210 Any Fight out of T	210	210 (6 x 8)
	ųε	a) b) c) d) e)	Explain the necessa Explain about binary Explain Kruskal's alg Define Spanning tre spanning treewith ar Explain Dijikstra algo	ry steps for analy v search with exar gorithm. e. Discuss design n example.	zing the efficienc nple.	cy of recursive algor	ithms.	(0 x 0)
210		-	Explain about Knaps Construct a minimur Write a pseudo code a singlesorted one. I Explain algorithm an Explain static algo example.	sack Problem with n spanning tree u e for divide & cond Explain with exam imation with exam	sing Kruskal's al quer algorithm fo iple. nple	r merging two sorte	d arrays in to	210
210		k) 감)이	Differentiate mathen Write an algorithm fo		•	• •	-	210
	Q3		Long Answer Type Discuss Brute force			ut of Four)		(16)
	Q4		Develop algorithm for	or selection sort a	nd bubble sort w	ith proper example.		(16)
210	Q5	210	Explain Depth ₀ First \$	Search and Breac	Ith First Search .	210	210	(16) 210
	Q6		Develop the divide a	nd conquer algor	ithms with exam	ple .		(16)

210 210