210		210	210	210	210		210	210	210
	F	Regis	stration No :						
	Tota	al Nu	mber of Pages : 01					DI	B.Tech EL8J001
			8 ^{tr}	Semester Reg	oular Exami	nation 20	18-19	FI	
210		210	210	210 SI BR Max Tir	MART GRID ANCH : EEI x Marks : 10 me : 3 Hours	E 10 5	210	210	210
	Ar	iswei	r Question No.1 (Pa	art-1) which is	• •		GHT from	Part-II and any	y TWO
			The fig	tr ures in the rigl	om Part-III.	ain indic	ato mark	e	
210		210	210	210 210	210	gin maie	210	210	210
					Part- I				
210	Q1	a) b) c) d) e) ͡f) ⁰	Only Short Answer What is WAN and LA What are the key cor What are the advanta What are the composition Write short note on In What is $V_2G?^{0}$	N? nponents of AMI ages of smart gri nents of smart gr	? d technology? id?	-	210	210	(2 x 10) 210
		g) h) i) j)	What is V ₂ G? What are the feature What is PDC? What do you mean b Define demand respo	y outage?	Part- II				
210 210	Q2	a) b) c) d) e) f) g) h) í) (Only Focused-Short Answer Type Questions- (Answer Any Eight out of Twelve) Distinguish between conventional grid and smart grid?(6 x 8)Distinguish between conventional grid and smart grid?210210210Explain power quality issues of grid connected renewable energy resources?Write short note on wind energy conversion system with suitable block diagram?210210Write a note on protection and control of micro-grid?Explain details about feeder automation in smart grid communication?Explain the WAMS component used in smart grid communication?Write the various opportunities and changes of smart grid?What are the functions of intelligent electronic devices as smart grid components?210210210Explain web based power quality monitoring system?210210210210						
	Q3	j) k) I)	What is GIS and exp Explain the different Write a short note on Only Long Answer Write the various of	storage system u smart home ma Type Questions	used in smart nagement sys Part-III s (Answer An	stem? y Two out	t of Four)	ails with block	(16)
210	43	210	diagram? 210	210	210 210		210	210	(10) 210
	Q4		Explain concept of N the advantages and	-			rid? What i	s DG and write	(16)
	Q5		Explain the importan of renewable energy		lity in smart g	rid and iss	ues relate	d to integration	(16)
210	Q6	210	Describe the driving automation system?					s of substation	(16) ₂₁₀

210 210