	На	II Ticket Number :												
	Cod	de: 4G331											R-14	
	II B.Tech. I Semester Supplementary Examinations August 2021													
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	Max. Marks: 70 Time: 3 Hours Answer any five full questions by choosing one question from each unit (5x14 = 70 Marks)  ***********************************													
		UNIT-I												
1.	a)	configurations. Why CE amplifiers are widely used?											CE, CB and CC	6M
<ul> <li>b) Draw the circuit diagram of a two stage RC coupled amplifier. Explain the multi-stage amplifiers</li> </ul>											olain th	ne need of using	8M	
•	,	Drow and avalain th		of oo			OR				4haa	d. costo		71.4
2.	a)	•	and explain the circuit of cascaded amplifier and mention the advantages										7M	
	b) Draw the equivalent circuit of a CE amplifier using Millers theorem. What is the upp frequency of such circuit?											s те иррег з-ав	7M	
						U	NIT-	II						
3.												Coupled Amplifier	14M	
							OR							
4.	4. Draw the hybrid –pi model of BJT. Explain the circuit elements in this model.												l.	14M
							NIT I							
5.	رد	Explain the advanta	<b>UNIT-III</b> Explain the advantages of negative feedback over positive feedback.										7M	
5.	<ul><li>a) Explain the advantages of negative fee</li><li>b) Briefly discuss about the effect of feedb</li></ul>						•							
	D)	Briefly alocade abou		, ot 01	iooak	Juon	OR	i i piii i	oi bu	i i a vvi c				7M
6.	a)	a) Explain the concept of feedback with block					diagra	am						6M
	b)	Write about Classification of feedback amplifiers,											8M	
							NIT-I		_					
7.	a)	With neat diagram e	•		•		stabil	ity of	osci	lators	S.			8M
	b)	Distinguish between	various	oscill	ators	•	OR							6M
8.		Why +ve feedback i	s genera	llv us	ed in	oscil	_	circu	iits? I	Derive	e the	oscilla	ition frequency of	
•		a RC Phase Shift O	•	,						-				14M
						U	NIT-	V						
9.	,									7M				
	b) Explain crossover distortion in Class B power amplifier								7M					
10.		Explain in detail abo	out compl	emer	ntarv	symn	OR netry	nuch	ווומים	amnl	lifier			14M
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