T. F Sem I - CBGS - Extc - AC

(7)

Page LOF1 QP Code: 3385

			(3 Hours)	[Total Marks :	80
	N. B. :	 Question No. 1 is comp Attempt any three quest Assume suitable data if 	tions out of remainir	ng five questions.	
1.	(a) (b) (c) (d)	the following (any four):— Classify and explain the communication. Differentiate between narrow In AM why IF is selected 45: What is aliasing? How it can Why AGC is required in rad circuit with simple AGC.	band and wideband I 5 KHz? be prevented?	FM.	26
2.	mod a re	e antenna current of AM brode dulation index 40% by an aud esult of simultaneous modulati modulation index due to this se	dio wae is 11A. It indones on by another audio	crease to 12A as	5
	(c) Exp	mpare FM and PM. plain with neat block diagram t unwated sideband.	he phase shift method	d for supprassion	5 10
3.	(b) Exp	te and Prove sampling theroed plain the principle and generation.			10 10
4.	diag (b) Exp	nat are the drawbacks of delta gram working of Adaptive del plain how PPM is generated fi	ta modulator.	with neat block	5
	(c) Exp	plain VSB transmission.			10
5.		plain the operation of Foster cuit diagram and phasor diagra		with the help of	10
		aw a neat block diagram of sciain function of each block w		dio receiver and	10
6.	(a) (b)	hort notes on (any four):- Independent sideband system FM noise triangle			20
		μ-law and A-law companding Double spotting	5		
		TDM and FDM			

JP-Con.: 11320-15.