

## CBCS SCHEME

18MT822

## Eighth Semester B.E. Degree Examination, June/July 2023 Communication System

Time: 3 hrs. Max. Marks: 100

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	N	lote: Answer any FIVE full questi	ons, choosing ONE full qu	estion from each mod	dule.
				American	
			Module-1		(10 M - 1-)
1	a.	With a neat block diagram, expla		ication system.	(10 Marks)
	b.	Define modulation. Explain the n	eed for modulation.		(10 Marks)
			OR		
2	a.	Explain the block diagram of dig			(10 Marks)
4	b.	Write a note on channels in com	nunication system.		(10 Marks)
	0,	William Motor of the Control of the	A STATE OF THE STA		
	Module-2				
3	a.	With necessary equation and diag	gram, explain the amplitude	modulation in time d	omain.
					(10 Marks)
	b.	Define amplitude modulation. E	xplain and analyze how the	square law modulat	or generate
		an AM wave.			(10 Marks)
			OR		
4	a.	Explain with neat diagram balan			(10 Marks)
7	b.			X	(10 Marks)
	υ.	Zapiani wim new magamaya			
		Acros .	Module-3	All plans	
5	a.	With the help of block diagram,	explain the working of FM	stereo multiplexing.	(10 Marks)
	b. Explain the non linear model of PLL with relevant block diagram and derivations. (10 Mar				
			on		
		English Burst EM as sonorotic	OR		(10 Marks)
6	a.	1 1/1	leguation explain linear me	odel of PLL.	(10 Marks)
	b.	Willi felevalit block diagram and	equation, explain inical in	oder of f EE.	(101.1.1.)
			Module-4		
7	a.	With neat block diagram, explain		ceiver.	(10 Marks)
,	b.	and the second s	Time Division Multiplexin	ng.	(10 Marks)
			Acceptance of the second		
			OR		(10 Md-s)
8	a.		e code modulation.	d manairran	(10 Marks)
	b.	. With neat diagram, explain delta	i modulation transmitter and	i receiver.	(10 Marks)
Module-5					
9	The state of the s				
9	a.	Denne spread spectrum modula	non. Explain the electricity	1	(10 Marks)
	b.	. With relevant details, explain th	e generation of pseudo nois	e sequence.	(10 Marks)
OR  10 a. With neat diagram and relevant details, explain frequency hop spread spectrum. (10 Marks)					
10		. With neat diagram and relevant	details, explain frequency h	lop spread spectrum.	(10 Marks) (10 Marks)
	b	. Explain direct sequence spread	spectrum with concrent BPS	JIX.	(10 mains)

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