

## LESSON PLAN

Period (tentative)	Date	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
(1)	18/3/19	Introduction to Communication system	I	CE		
(2)	20/3/19	Modulation, FDM	"	"		
(3)	21/3	Amplitude Modulation	"	"		
(4)	21/3	Single tone modulator	"	"		
(5)	24/3	Generation of AM	"	"		
(6)	25/3	Square law detector	"	"		
(7)	28/3	Envelope detector	"	"		
(8)	28/3	DSB Modulation II	"	"		
(9)	31/3	SC carrier	"	"		
(10)	03/4	Balanced Modulation	"	"		
(11)	03/4	Ring Modulation	"	"		
(12)	03/4	Coherent detection of DSR-SC	"	"		
(13)	03/4	Modulated carrier	"	"		

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(14)	04/4	COSTAS loop		CE		
(15)	04/4	Model problem	"	"		
(16)	04/4	DSB-SC	"	"		
(17)	08/4	SSB Modulation II	"	"		
(18)	10/4	Frequency domain description	"	"		
(19)	11/4	Frequency domain description method for generation of SSB modulated carrier	"	"		
(20)	14/4	Phase discrimination method	"	"		
(21)	15/4	Demodulation of SSB carrier	"	"		
(22)	15/4	VSB Modulation	"	"		
(23)	18/4	Frequency domain description of VSB modulated carrier	"	"		
(24)	21/4	Time domain representation	"	"		
(25)	22/4	Envelope detection of VSB carrier pulse carrier	"	"		



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(23)	24/4	Comparison of AM techniques		CR		
(24)	25/4	Applications of different AM systems		"		
(25)	26/4	Angle Modulation IV - Basic Concepts		"		
(26)	27/4	FM - Single tone modulation		"		
(27)	01/5	Spectrum analysis of sinusoidal FM wave		"		
(28)	02/5	Narrowband FM (Widband FM)		"		
(29)	20/5	Transmission & reception of FM wave		"		
(30)	22/5	Detection of FM wave		"		
(31)	23/5	Balanced frequency discriminator		"		
		Zero crossing detector		"		

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(32)	26/5	Phase locked loop		CR		
(33)	27/5	Comparison of FM & AM, Modulation		"		
(34)	28/5	Noise, classification		"		
(35)	02/6	Noise in DSBSSB systems		"		
(36)	03/6	Noise in AM system		"		
(37)	05/6	Noise in Angle Modulation system		"		
(38)	16/6	Threshold effect in Angle Modulation system		"		
(39)	17/6	Pre-emphasis & De-emphasis		"		
(40)	19/6	Introduction to Transmitters		"		
		Radio Transmitter		"		
(41)	20/6	Classification of AM Transmitter		"		
(42)	23/06	Effect of feedback on AM Transmitter		"		



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Period (tentative)	Date	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
(43) 26/7		FM Transmitter		CR		
		FT Transmitter types				
(44) 27/7		Frequency Stability				
		in FM Transmitter				
(45) 28/7		Receivers - Radio VII				
		Receivers - Types				
(46) 29/7		Tuned Radio Set				
		Receivers Super				
		Heterodyne Receiver				
(47) 30/7		RF Section - characteristics				
(48) 31/7		IF, AGC				
(49) 1/8		FM Receiver				
(50) 2/8		Superheterodyne				
		AM receiver				
(51) 3/8		Amplitude Modulation				
(52) 4/8		Pulse Modulation	VII			
(53) 5/8		TDM				
		Types of PM				
(54) 6/8		PAM				
(55) 7/8		PCM				

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(56) 27/7		PPM		CR		
(57) 28/7		Generation and demodulation of PPM, TDM & FDM				
(58) 29/7		different Pulse Modulation techniques				
(59) 30/7		Comparison of different Pulse Modulation techniques				
(60) 31/7		Composite Modulation				