

## LESSON PLAN

<b>Name of the Subject: ANALOG COMMUNICATIONS</b>				
S.No	Date	Topic Planned	Classes Planned	Cum classes
<b>UNIT 1: AMPLITUDE MODULATION</b>				
1	20/11/2017	Need for modulation, Frequency Division Multiplexing	1	1
2	21/11/2017	Amplitude Modulation, Definition	1	2
3	23/11/2017	Time domain and frequency domain description, single tone modulation	1	3
4	24/11/2017	Power relations in AM Waves	1	4
5	27/11/2017	Generation of AM waves, square law Modulator, Switching modulator	1	5
6	28/11/2017	Detection of AM Waves, Square law detector, Envelope detector	1	6
7	29/11/2017	Related Problems	1	7
8	4/12/2017	ADD ON TOPIC	1	8
<b>UNIT 2 :DSB&amp;SSB MODULATION</b>				
9	5/12/2017	Double side band suppressed carrier modulators	1	9
10	6/12/2017	time domain and frequency domain description	1	10
11	7/12/2017	Generation of DSBSC Waves, Balanced Modulators, Ring Modulator	1	11
12	8/12/2017	Coherent detection of DSB-SC Modulated waves, COSTAS Loop	1	12
13	9/12/2017	Time & Frequency domain description	1	13
14	11/12/2017	Frequency discrimination method for generation of AM SSB Modulated Wave	1	14
15	13/12/2017	Phase discrimination method for generating	1	15
16	14/12/2017	AM SSB Modulated Waves	1	16
17	15/12/2017	Demodulation of SSB waves	1	17
18	16/12/2017	Vestigial side band modulation:	1	18
19	18/12/2017	Generation of VSB Modulated wave,	1	19
20	19/12/2017	Frequency domain description	1	20
21	20/12/2017	Time domain description	1	21
22	21/12/2017	Envelope detection of a VSB Wave pulse Carrier	1	22
23	22/12/2017	Comparison of AM Techniques	1	23
24	20/12/2017	Applications of different AM Systems	1	24
25	21/12/2017	Related problems	1	25
26	22/12/2017	ADD ON TOPIC:	1	26
<b>UNIT- III ANGLE MODULATION</b>				
27	26/12/2017	Basic concepts, Frequency Modulation: Single tone frequency modulation	1	27
28	27/12/2017	Spectrum Analysis of Sinusoidal FM Wave, Narrow band FM,	1	28
29	28/12/2017	Wide band FM	1	29
30	29/12/2017	Constant Average Power Transmission bandwidth of FM Wave	1	30
31	4/1/2018	Generation of FM Waves,	1	31
32	5/1/2018	Detection of FM Waves,	1	32
33	6/1/2018	Direct FM	1	33
34	7/1/2018	Balanced Frequency discriminator	1	34
35	8/1/2018	Zero crossing Detector	1	35
36	9/1/2018	Phase locked loop	1	36



37	10/1/2018	Comparison of FM & AM	1	37
38	11/1/2018	ADD ON TOPIC:	1	38
		MID- I EXAM 15/1/2018 TO 20/1/2018		
39	22/01/2018	<b>UNIT 4 : NOISE</b>	1	39
40	23/01/2018	Noise in Analog communication system	1	40
41	24/01/2018	Noise in DSB & SSB System	1	41
42	25/01/2018	Noise in AM system	1	42
43	27/01/2018	Noise in Angle Modulation System	1	43
44	29/01/2018	Threshold effect in Angle Modulation System	1	44
45	30/01/2018	ADD ON TOPIC	1	45
46	1/2/2018	<b>UNIT 5: TRANSMITTERS&amp;RECEIVERS</b>	1	46
47	3/2/2018	Radio Transmitter – Classification of Trans mitter	1	47
48	5/2/2018	AM Transmitter,	1	48
49	6/2/2018	Effect of feedback on performance of AM Transmitter	1	49
50	7/2/2018	FM Transmitter – variable reactance type		50
51	10/2/2018	phase modulated FM Transmitter	1	51
52	12/2/2018	Frequency stability in FM Transmitter	1	52
53	13/2/2018	Radio receiver –	1	53
54	14/2/2018	Receiver Types	1	54
55	13/2/2018	Tuned radio frequency receiver	1	55
56	15/2/2018	Super heterodyne receiver	1	56
57	16/2/2018	RF section	1	57
58	17/2/2018	Characteristics	1	58
59	19/2/2018	Frequency changing and tracking	1	59
60	20/2/2018	Intermediate frequency,	1	60
61	21/2/2018	AGC	1	61
62	20/2/2018	FM Receiver,	1	62
63	21/2/2018	Comparison with AM Receiver	1	63
64	23/2/2018	Amplitude limiting	1	64
65	25/2/2018	ADD ON TOPIC	1	65
66	26/2/2018	<b>UNIT-VI PULSE MODULATION</b>	1	66
67	27/2/2018	Time division Multiple xing	1	67
68	1/3/2018	Types of Pulse modulation	1	68
69	3/3/2018	PAM Single polarity	1	69
70	6/3/2018	double polarity	1	70
71	7/3/2018	PWM Generation & demodulation	1	71
72	8/3/2018	PPM Generation and demodulation	1	72
73	9/3/2018	TDM Vs FDM	1	73
74	11/3/2018	ADD ON TOPIC	1	74
		REVISION :		
		MID- II EXAMS 19/3/2018 TO 24/3/2018		