

### LESSON PLAN

Period	Date Tentative	Topic	Unit No	Teaching Methodology	Remarks	Corrective Action Upon Review
01	24/2/2023	origin of Satellite-Communications	I	B.B		
02	24/4/2023	-Historical Background Basic Concepts of Satellite Communication		"		
03	26/1/2024	-frequency allocation -for Satellite Services		PPT		
04	3/2/2023	-Applications		PPT		
05	31/12/2023	Future Trends of Satellite Communication		PPT		
06	1/1/2024	Orbital Mechanics	II	B.B		
07	2/1/2024	look angle determination		"		
08	3/1/2024	Orbital perturbations		"		
09	6/1/2024	Orbit determination		"		
10	07/1/2024	Launch and launch vehicles		"		
11,12	08/1/2024	Orbit effect in Communication System Performance		"		
13	09/1/2024	Satellite Sub Systems	III	PPT		
14	10/1/2024	-Attitude and Orbit Control System		"		
15	20/1/2024	Telemetry -Tracking Command and monitoring	B.B			
16	2/1/2024	Power System	"			
17	22/1/2024	Communication Sub-System	"			
18	23/1/2024 24/1/2024	Satellite Antenna Equipment-Reliability	"			

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Period	Date Tentative	Topic	Unit No	Teaching Methodology
		and Space Services		B.B
20	27/1/2024	Satellite link design	IV	B.B
21	28/1/2024	Basic Transmission Theory		B.B
22,23	29/1/2024 30/1/2024	System noise Temperature and EIRP		"
24	3/1/2024	Design of downlink		"
25	2/2/2024	up link design		"
26	4/2/2024	Design of Satellite link-for specified C/N		"
27	5/2/2024	System design example		"
28	6/2/2024	FDMA	V	PPT
29	7/2/2024	FDMA modulation, Calculation of C/N		PPT
30	14/2/2024	TDMA		PPT
31	11/2/2024	Frame Structure Example		PPT
32	12/2/2024	Satellite Switched TDMA on board processing		B.B
33	13/2/2024	CDMA, CDMA		B.B
34,35	14/2/2024 17/2/2024	Spread Spectrum Transmission and Reception		B.B

