Lesson P	lan										
Name of	Faculty :	JYOTI SINGLA									
Disciplin	e :	Electronics & Communication Engg.									
Semester :		4th									
Subject :		microprocessor and Microcontr	ollers								
Lesson P	lan Durat	ion : 15 weeks									
Work Lo	ad (Lectu	are /Practical) per week in hours	•	Lecture -3 Practical-4							
Week	Theory		Practi	cal							
	Lecture DAY	Topic (Including assignment/test)	Practi cal	Торіс							
1st	1st	Introduction	1st	Understand 8051 development board							
	2nd	Basic Introduction and comparison of Microcomputer Microprocessor &									
	3rd	Microprocessor &									
2nd	4th	Selection of Microcontroller, Introduction to 8051- History,	2nd	Generating Hex File using Keil Compiler							
	5th	8051-Architecture		Generating Hex File using Keil Compiler							
	6th	8051- Pin Diagram									
3rd	7th	8051- Crystal Circuit, Reset Circuit.	3rd	Revision							
	8th	Revision		Revision							
	9th	Programming languages for 8051									
4th	10th	Advantages of Programming in C	4th	Programming and interfacing of RELAY and Buzzer							
	11th	Addressing Modes									
	12th	Instruction Set of 8051									
5th	13th	Instruction Set of 8051	5th	Programming to interface switches and LEDs							
	14th	Types of Instructions		Programming to interface switches and LEDs							
	15th	Revision									

6th	16th	Addressing Modes,	6th	Revision
	17th	Addressing Modes,		Revision
	18th	Types of Instructions		
7th	19th	Data types and time delay in 8051	7th	Programming and interfacing of LCD
	20th	I/O programming in 8051 C		
	21st	Hex file generation using Keil Compiler		
8th	22nd	Revision	8th	
	23rd	8051 Timers :Timers and Registers of 8051		Programming for A/D converter, result on LCD.
	24th	Registers of 8051		
9th	25th	Timer / Counter logic and modes	9th	Programming for D/A converter, result on LCD
	26th	Programming of 8051 timers		Programming for D/A converter, result on LCD
	27th	Programming Timer 1 using C		
10th	28th	Revision	10th	Revision
	29th	Revision		
	30th	Serial Port of 8051		
11th	31st	Serial Communication-SCON, SBUF	11th	Interfacing Stepper Motor with 8051.
	32nd	Modes of serial communication		Interfacing Stepper Motor with 8051.

	33rd	8051 connection to RS232		
12th	34th	Interrupts	12th	Interfacing different sensors with 8051
	35th	Interrupts		
	36th	Revision		
13th	37th	I/O Interfacing – LED, LCD	13th	Revision
	38th	I/O Interfacing – LED, LCD		Revision
	39th	Keyboard Interfacing		
14th	40th	Interfacing ADC and DAC	14th	Revision
	41st			
	42nd	Sensor Interfacing and Signal Conditioning		
15th	43rd	Revision	15th	Revision
	44th	Revision		
	45th	Revision		

Govt. Polvtechnic. Uttawar			
LESSON PLAN			
Neme of the Equility - Nicke Melder			
Discipline Electionics & Communication Engy.			
Semester : 4th			
Subject : Communication Systems			
Lesson Plan Duration :15weeks			
Work Load (Lecture / Practical) per week (in hours): Lecture-03, Practical-03 Hrs per Group			
Week			
Theory			
Practical			
Lecture Day			
Topic (Including assignment / test)			
Practical day			
Topic			
1st			
1st			
Introduction about the subject/course and its syllabus			
1et			
Group 1: Exp. 1. To observe the waveforms at different stages of an AM transmitter			
2nd			
200			
UNIT-1-ANV/FIVE TRANSMILLER URASSINGATION OF ITANSMILLERS ON THE DASIS OF MODULATION			
Group 2: Exp 1-To observe the waveforms at different stages of an AM transmitter.			
3rd			
Classification of transmitters on the basis of service, frequency and power			
2nd			
4th International Internationa			
Block diagram of AM transmitters and working of each stage			
3rd			
Group 1: Exp. 1-To observe the waveforms at different stages of an AM transmitter. (Revision)			
5th			
Block diagram and working principles of reactance FET Transmitter			
4th			
Group 2: Evo. 1-To observe the waveforms at different stages of an AM transmitter (Revision)			
6th			
Armetrong EM transmittera			
Amstrong PM transmitters			
7th			
Unit-2- AM/FM Radio Receivers			
Principle and working with block diagram of super heterodyne AM receiver, function of each block and typical waveforms at	t input and output of e	each block	
5th			
Group 1: Exp. 2-To observe the waveforms at different stages of a Radio Receiver			
8th			
Performance characteristics of a radio receiver : sensitivity, selectivity			
6th			
Group 2: Exp. 2-To observe the waveforms at different stages of a Radio Receiver			
9th			
Fidelity, S/N ratio, image rejection ratio and their measurement procedure. ISI standards on radio receivers			
4th			
10th			
Selection criteria for intermediate frequency (IE). Concepts of simple and delayed ACC			
7th			
700 Creure 4: Even 9 Te absence the uppreferme at different stance of a Dodie Doording (Doviding)			
Group 1. Exp. 2-10 Observe the wavelorms at unierent stages of a Radio Receiver (Revision)			

11th										
Block diagram of	FM Receiver func	tion of each block	k and waveforms	at input and outp	ut of different bloc	ke				
block diagram of		don of cach block	k and waveloinis							
8th										
Group 2: Exp. 2-	To observe the way	eforms at differe	nt stages of a Ra	dio Receiver (Rev	vision)					
12th										
Need for limiting	and de-emphasis i	n EM recention								
	and de-emphasis i	in mireception								
5th										
13th										
Block diagram of	communication rec	ceivers								
Oth	Communication rec									
9(1)										
Group 1:Exp.3-To	o align AM broadca	st radio receiver								
14th										
Differences with	respect to broadcast	st receivers								
10th										
0 0 5 0	T 12 ANAL 1									
Group 2: Exp. 3-	To align AM broadc	ast radio receive	r							
15th										
Assignment and	class test/Quiz									
6th										
16th										
Unit-3-Antennas:	-									
Electromagnetic	spectrum and its va	arious ranges: VI	E. LE. ME. HE. VI	HE. UHF. Microwa	ive.					
11th										
0 1 5 0	T 12 ANAL 1		(5 · · ·)							
Group 1: Exp. 3-	To align AM broadc	ast radio receive	r (Revision)							
17th										
Physical concept	t of radiation of elec	tromagnetic ener	rgy from a dipole	Concept of polar	rization of EM Way	ves				
12th										
0 0 5 0										
	To alian AM broada	ant radio ragaiva	r (Dovinion)							
Group 2: Exp. 3-	To align AM broadc	ast radio receive	r (Revision)							
Group 2: Exp. 3-	To align AM broadc	ast radio receive	r (Revision)							
Group 2: Exp. 3- 18th	To align AM broadc	ast radio receive	r (Revision)							
18th Definition and ph	To align AM broadc	ast radio receive	r (Revision) ith antennas like	point source, gai	n, directivity, apert	ure, effective area	, radiation patterr	n, beam width, rad	iation resistance,	loss resistance.
Group 2: Exp. 3- 18th Definition and ph 7th	To align AM broadc	ast radio receive	r (Revision) ith antennas like	point source, gai	n, directivity, apert	ure, effective area	, radiation patterr	n, beam width, rad	iation resistance,	loss resistance.
Group 2: Exp. 3- 18th Definition and ph 7th	To align AM broadc	ast radio receive	r (Revision) ith antennas like	point source, gai	n, directivity, apert	ure, effective area	, radiation patterr	n, beam width, rad	iation resistance,	loss resistance.
Group 2: Exp. 3- 18th Definition and ph 7th	To align AM broadc	ast radio receive	r (Revision) ith antennas like	point source, gair	n, directivity, apert	ure, effective area	, radiation patterr	n, beam width, rad	iation resistance,	loss resistance.
Group 2: Exp. 3- 18th Definition and ph 7th	To align AM broadc	ast radio receive	r (Revision) ith antennas like	point source, gair	n, directivity, apert	ure, effective area	, radiation patterr	n, beam width, rad	iation resistance,	loss resistance.
Group 2: Exp. 3- 18th Definition and ph 7th 19th	To align AM broadc	ast radio receive	r (Revision) ith antennas like	point source, gair	n, directivity, apert	ure, effective area	, radiation patterr	n, beam width, rad	iation resistance,	loss resistance.
Group 2: Exp. 3- 18th Definition and ph 7th 19th Types of antenna	To align AM broadc	ast radio receive the terms used w folded dipole an	r (Revision) ith antennas like tenna	point source, gai	n, directivity, apert	ure, effective area	, radiation patterr	n, beam width, rad	iation resistance,	loss resistance.
Group 2: Exp. 3- 18th Definition and ph 7th 19th Types of antenna	To align AM broadc	ast radio receive the terms used w folded dipole an	r (Revision) ith antennas like tenna	point source, gair	n, directivity, apert	ure, effective area	, radiation patterr	n, beam width, rad	iation resistance,	loss resistance.
Group 2: Exp. 3- 18th Definition and ph 7th 19th Types of antenna 13th	To align AM broadc	ast radio receive	r (Revision) ith antennas like tenna	point source, gair	n, directivity, apert	ure, effective area	, radiation patterr	h, beam width, rad	iation resistance,	loss resistance.
Group 2: Exp. 3- 18th Definition and ph 7th 19th Types of antenna 13th	To align AM broadc	ast radio receive the terms used w folded dipole an	r (Revision) ith antennas like tenna	point source, gain	n, directivity, apert	ure, effective area	, radiation patterr), beam width, rad	iation resistance,	loss resistance.
Group 2: Exp. 3- 18th Definition and ph 7th 19th Types of antenna 13th Group 1: Exp.4-1	To align AM broadc sysical concepts of i a: Half wave dipole, To identify and study	ast radio receive the terms used w folded dipole an y the various type	r (Revision) ith antennas like tenna es of antennas us	point source, gain	n, directivity, apert	ure, effective area	, radiation patterr	, beam width, rad	iation resistance,	loss resistance.
Group 2: Exp. 3- 18th Definition and ph 7th 19th Types of antenna 13th Group 1: Exp.4-1 20th	To align AM broadc sysical concepts of i a: Half wave dipole, fo identify and study	ast radio receive the terms used w folded dipole an y the various type	r (Revision) ith antennas like tenna es of antennas us	point source, gain	n, directivity, apert	ure, effective area	, radiation patterr	n, beam width, rad	iation resistance,	loss resistance.
Group 2: Exp. 3- 18th Definition and ph 7th 19th Types of antenna 13th Group 1: Exp.4-1 20th Medium wave (m	To align AM broadc sysical concepts of 1 a: Half wave dipole, Fo identify and stud nast) antenna	ast radio receive the terms used w folded dipole an y the various type	r (Revision) ith antennas like tenna es of antennas us	point source, gair	n, directivity, apert quency ranges.	ure, effective area	, radiation patterr	n, beam width, rad	iation resistance,	loss resistance.
Group 2: Exp. 3- 18th Definition and ph 7th 19th Types of antenna 13th Group 1: Exp.4-1 20th Medium wave (m 14th	To align AM broadc sysical concepts of i a: Half wave dipole, fo identify and study nast) antenna	ast radio receive the terms used w folded dipole an y the various type	r (Revision) ith antennas like tenna es of antennas us	point source, gain	n, directivity, apert	ure, effective area	, radiation patterr	h, beam width, rad	iation resistance,	loss resistance.
Group 2: Exp. 3- 18th Definition and ph 7th 19th Types of antenna 13th Group 1: Exp.4-1 20th Medium wave (m 14th	To align AM broadc	ast radio receive the terms used w folded dipole an y the various type	r (Revision) ith antennas like tenna es of antennas us	point source, gain	n, directivity, apert	ure, effective area	, radiation patterr	h, beam width, rad	iation resistance,	loss resistance.
Group 2: Exp. 3- 18th Definition and ph 7th 19th Types of antenna 13th Group 1: Exp.4-1 20th Medium wave (m 14th Group 2: Exp. 4-	To align AM broadc	the terms used w folded dipole an y the various type	r (Revision) ith antennas like tenna es of antennas us	point source, gain sed in different fre	n, directivity, apert quency ranges.	ure, effective area	, radiation patterr), beam width, rad	iation resistance,	loss resistance.
Group 2: Exp. 3- 18th Definition and ph 7th 19th Types of antenna 13th Group 1: Exp.4-1 20th Medium wave (m 14th Group 2: Exp. 4-	To align AM broadd	ast radio receive the terms used w folded dipole an y the various type dy the various type	r (Revision) ith antennas like tenna es of antennas us es of antennas u	point source, gain sed in different fre sed in different fre	n, directivity, apert quency ranges. equency ranges.	ure, effective area	, radiation patterr	, beam width, rad	iation resistance,	loss resistance.
Group 2: Exp. 3- 18th Definition and ph 7th 19th Types of antenna 13th Group 1: Exp.4-1 20th Medium wave (rr 14th Group 2: Exp. 4-	To align AM broadc sysical concepts of i a: Half wave dipole, To identify and study nast) antenna To identify and study	ast radio receive the terms used w folded dipole an y the various type ty the various type	r (Revision) ith antennas like tenna es of antennas us es of antennas u	point source, gain sed in different fre sed in different fre	n, directivity, apert quency ranges.	ure, effective area	, radiation patterr	h, beam width, rad	iation resistance,	loss resistance.
Group 2: Exp. 3- 18th Definition and ph 7th 19th Types of antenna 13th Group 1: Exp.4-1 20th Medium wave (rr 14th Group 2: Exp. 4- 21st	To align AM broadc	ast radio receive the terms used w folded dipole an y the various type dy the various type	r (Revision) ith antennas like tenna es of antennas us	point source, gain sed in different fre sed in different fre	n, directivity, apert quency ranges. equency ranges.	ure, effective area	, radiation patterr	h, beam width, rad	iation resistance,	loss resistance.
Group 2: Exp. 3- 18th Definition and ph 7th 19th Types of antenna 13th Group 1: Exp.4-1 20th Medium wave (m 14th Group 2: Exp. 4- 21st Patch antenna	To align AM broadc	ast radio receive the terms used w folded dipole an y the various type ly the various type	r (Revision) ith antennas like tenna es of antennas us es of antennas u	point source, gain sed in different fre sed in different fre	n, directivity, apert quency ranges.	ure, effective area	, radiation patterr	, beam width, rad	iation resistance,	loss resistance.
Group 2: Exp. 3- 18th Definition and ph 7th 19th Types of antenna 13th Group 1: Exp.4-1 20th Medium wave (rr 14th Group 2: Exp. 4- 21st Patch antenna 8th	To align AM broadc	ast radio receive the terms used w folded dipole an y the various type ty the various type	r (Revision) ith antennas like tenna es of antennas us es of antennas u	point source, gain sed in different fre	n, directivity, apert quency ranges.	ure, effective area	, radiation patterr	, beam width, rad	iation resistance,	loss resistance.
Group 2: Exp. 3- 18th Definition and ph 7th 19th Types of antenna 13th Group 1: Exp.4-1 20th Medium wave (m 14th Group 2: Exp. 4- 21st Patch antenna 8th	To align AM broadd sysical concepts of 1 a: Half wave dipole, fo identify and study nast) antenna To identify and study	ast radio receive the terms used w folded dipole an y the various type ly the various typ	r (Revision) ith antennas like tenna es of antennas us es of antennas u	point source, gain	n, directivity, apert quency ranges.	ure, effective area	, radiation patterr	, beam width, rad	iation resistance,	loss resistance.
Group 2: Exp. 3- 18th Definition and ph 7th 19th Types of antenna 13th Group 1: Exp.4-1 20th Medium wave (rr 14th Group 2: Exp. 4- 21st Patch antenna 8th	To align AM broadc sysical concepts of 1 a: Half wave dipole, To identify and stud To identify and stud	ast radio receive the terms used w folded dipole an y the various type	r (Revision) ith antennas like tenna es of antennas us	point source, gain sed in different fre sed in different fre	n, directivity, apert quency ranges.	ure, effective area	, radiation pattern	h, beam width, rad	iation resistance,	loss resistance.
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Group 2: Exp. 3- 18th Definition and ph 7th 19th Types of antenna 13th Group 1: Exp.4-1 20th Medium wave (rr 14th Group 2: Exp. 4- 21st Patch antenna 8th 22nd	To align AM broadc	ast radio receive the terms used w folded dipole an y the various type	r (Revision) ith antennas like tenna es of antennas us	point source, gain sed in different fre	n, directivity, apert quency ranges.	ure, effective area	, radiation patterr	h, beam width, rad	iation resistance,	loss resistance.
Group 2: Exp. 3- 18th Definition and ph 7th 19th Types of antenna 13th Group 1: Exp.4-1 20th Medium wave (rr 14th Group 2: Exp. 4- 21st Patch antenna 8th 22nd Yagi –Uda anten	To align AM broadc	ast radio receive the terms used w folded dipole an y the various type dy the various type	r (Revision) ith antennas like tenna es of antennas us	point source, gain sed in different fre	n, directivity, apert quency ranges.	ure, effective area	, radiation patterr	, beam width, rad	iation resistance,	loss resistance.
Group 2: Exp. 3- 18th Definition and ph 7th 19th Types of antenna 13th Group 1: Exp.4-1 20th Medium wave (rr 14th Group 2: Exp. 4- 21st Patch antenna 8th 22nd Yagi –Uda anten 15th	To align AM broadc	ast radio receive the terms used w folded dipole an y the various type ly the various type	r (Revision) ith antennas like tenna es of antennas us es of antennas u	point source, gain	n, directivity, apert quency ranges.	ure, effective area	, radiation patterr), beam width, rad	iation resistance,	loss resistance.
Group 2: Exp. 3- 18th Definition and ph 7th 19th Types of antenna 13th Group 1: Exp.4-1 20th Medium wave (rr 14th Group 2: Exp. 4- 21st Patch antenna 8th 22nd Yagi –Uda anten 15th Group 1: Exp. 4-	To align AM broadc	ast radio receive the terms used w folded dipole an y the various type by the various type	r (Revision) ith antennas like tenna es of antennas us es of antennas u	point source, gain sed in different fre sed in different fre	n, directivity, apert quency ranges.	ure, effective area	, radiation pattern	h, beam width, rad	iation resistance,	loss resistance.
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Group 2: Exp. 3- 18th Definition and ph 7th 19th Types of antenna 13th Group 1: Exp.4-1 20th Medium wave (rr 14th Group 2: Exp. 4- 21st Patch antenna 8th 22nd Yagi –Uda anten 15th Group 1: Exp. 4- 23rd Ferrite rod anten 16th	To align AM broadc sysical concepts of i a: Half wave dipole, Fo identify and study nast) antenna To identify and study na To identify and study na	ast radio receive the terms used w folded dipole an y the various type by the various type	r (Revision) ith antennas like tenna es of antennas us es of antennas u	point source, gain sed in different fre sed in different fre	n, directivity, apert quency ranges.	ure, effective area	, radiation pattern	h, beam width, rad	iation resistance,	loss resistance.
Group 2: Exp. 3- 18th Definition and ph 7th 19th Types of antenna 13th Group 1: Exp.4-1 20th Medium wave (rr 14th Group 2: Exp. 4- 21st Patch antenna 8th 22nd Yagi –Uda anten 15th Group 1: Exp. 4- 23rd Ferrite rod anten 16th Group 2: Exp. 4-	To align AM broadc	ast radio receive the terms used w folded dipole an y the various type by the various type dy the various type dy the various type	r (Revision) ith antennas like tenna es of antennas us es of antennas u es of antennas u es of antennas u	point source, gain sed in different fre sed in different fre sed in different fre	n, directivity, apert quency ranges. equency ranges. (l equency ranges. (l	ure, effective area	, radiation pattern	h, beam width, rad	iation resistance,	loss resistance.
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Group 2: Exp. 3- 18th Definition and ph 7th 19th Types of antenna 13th Group 1: Exp.4-1 20th Medium wave (rr 14th Group 2: Exp. 4- 21st Patch antenna 8th 22nd Yagi –Uda anten 15th Group 1: Exp. 4- 23rd Ferrite rod anten 16th Group 2: Exp. 4- 24th	To align AM broadc	ast radio receive the terms used w folded dipole an y the various type ly the various typ dy the various typ	r (Revision) ith antennas like tenna es of antennas us es of antennas u es of antennas u es of antennas u	point source, gain sed in different fre sed in different fre sed in different fre	n, directivity, apert quency ranges. equency ranges. (l equency ranges. (l	ure, effective area	, radiation pattern	h, beam width, rad	iation resistance,	loss resistance.
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9th									
25th									
Structure charge	toriotico and tunic	al annlingtions of	Dich Antonno						
Structure, charac	ciensiics and typic	a applications of	Dish Antenna						
17th									
Group 1: Exp. 5-	To plot the radiation	on pattern of a dire	ectional and omni	directional antenr	na.				
26th									
Devision									
Revision									
18th									
Group 2: Exp. 5-	To plot the radiation	on nattern of a dire	ectional and omni	directional antenr	าล				
01000 21 2.401 0									
27th									
Assignment & CI	ass test								
10th									
Tour									
28th									
Linit 4 Propagati	on:								
Desis : 1			- 0 to 1	-f					
basic idea about	unterent modes of	n wave propagatio	n & typical areas	or applications					
19th									
Group 1: Exp. 5-	To plot the radiation	on pattern of a dire	ectional and omni	directional antenr	na. (Revision& Viv	a)			
29th									
2.501									
Ground wave pro	ppagation and its	cnaracteristics							
20th									
Group 2: Evp. 5	To plot the radiation	on nattern of a dire	ectional and omni	directional antenr	na (Revision& Viv	a)			
5150p 2. LAP. 0-						~,			
30th									
Summer field eq	uation for field stre	ength							
11th									
1101									
31st									
Space wave con	munication line (of sight propagatio	n						
Space wave con		i signi propagatio	11						
21st									
Group 1: Exp. 6-	To plot the variation	on of field strength	of a radiated way	ve, with distance f	rom a transmitting				
Antenna									
20md									
32110									
Concept of effect	tive earth radius								
22nd									
0	T		- f i - i - i			A			
Group 2: Exp. 6-	To plot the variation	on of field strength	of a radiated way	ve, with distance f	rom a transmitting	Antenna.			
Group 2: Exp. 6-	To plot the variation	on of field strength	of a radiated way	ve, with distance f	rom a transmitting	Antenna.			
Group 2: Exp. 6- 33rd	To plot the variation	on of field strength	of a radiated way	ve, with distance f	rom a transmitting	Antenna.			
Group 2: Exp. 6- 33rd Range of space	To plot the variation	on of field strength	of a radiated way	/e, with distance f	rom a transmitting	Antenna.			
Group 2: Exp. 6- 33rd Range of space	To plot the variation	on of field strength , Standard atmosp	of a radiated way	/e, with distance f	rom a transmitting	Antenna.			
Group 2: Exp. 6- 33rd Range of space 12th	To plot the variation	on of field strength , Standard atmos	of a radiated way	/e, with distance f	rom a transmitting	Antenna.			
Group 2: Exp. 6- 33rd Range of space 12th	To plot the variation	on of field strength , Standard atmos	of a radiated war	ve, with distance f	rom a transmitting	Antenna.			
Group 2: Exp. 6- 33rd Range of space 12th	To plot the variation	on of field strength , Standard atmos	of a radiated way	/e, with distance f	rom a transmitting	Antenna.			
Group 2: Exp. 6- 33rd Range of space 12th 34th	To plot the variation	on of field strength , Standard atmos	of a radiated way	/e, with distance f	rom a transmitting	Antenna.			
Group 2: Exp. 6- 33rd Range of space 12th 34th	To plot the variation	on of field strength , Standard atmosj	of a radiated way	/e, with distance f	rom a transmitting	Antenna.			
Group 2: Exp. 6- 33rd Range of space 12th 34th Duct propagation	To plot the variation	on of field strength , Standard atmos	of a radiated way	/e, with distance f	rom a transmitting	Antenna.			
Group 2: Exp. 6- 33rd Range of space 12th 34th Duct propagation 23rd	To plot the variation	on of field strength , Standard atmos	of a radiated way	/e, with distance f	rom a transmitting	Antenna.			
Group 2: Exp. 6- 33rd Range of space 12th 34th Duct propagation 23rd Group 1: Exp. 6-	To plot the variation wave propagation	on of field strength , Standard atmosp on of field strengt	of a radiated way	ve, with distance f	rom a transmitting	j Antenna.	on& Viva)		
Group 2: Exp. 6- 33rd Range of space 12th 34th Duct propagation 23rd Group 1: Exp. 6- 35th	To plot the variation wave propagation	on of field strength , Standard atmosp , on of field strength	of a radiated way	ve, with distance f	rom a transmitting	Antenna.	on& Viva)		
Group 2: Exp. 6- 33rd Range of space 12th 34th Duct propagation 23rd Group 1: Exp. 6- 35th	To plot the variation wave propagation To plot the variation	on of field strength , Standard atmosy on of field strengtl	of a radiated way	ve, with distance f	rom a transmitting	g antenna. (Revisi	on& Viva)		
Group 2: Exp. 6- 33rd Range of space 12th 34th Duct propagation 23rd Group 1: Exp. 6- 35th Sky wave propag	To plot the variation wave propagation To plot the variation jation, lonospher	on of field strength , Standard atmosy on of field strength e and its layers	of a radiated way	ve, with distance f	rom a transmitting	g antenna. (Revisi	on& Viva)		
Group 2: Exp. 6- 33rd Range of space 12th 34th Duct propagation 23rd Group 1: Exp. 6- 35th Sky wave propag 24th	To plot the variation wave propagation To plot the variati gation, lonospher	on of field strength , Standard atmosy on of field strength e and its layers	of a radiated way	ve, with distance f	rom a transmitting	g antenna. (Revisi	on& Viva)		
Group 2: Exp. 6- 33rd Range of space 12th 34th Duct propagation 23rd Group 1: Exp. 6- 35th Sky wave propag 24th	To plot the variation wave propagation To plot the variati jation, lonospher	on of field strength , Standard atmosp on of field strengtt e and its layers	of a radiated way	ve, with distance f	rom a transmitting	Antenna.	on& Viva)		
Group 2: Exp. 6- 33rd Range of space 12th 34th Duct propagation 23rd Group 1: Exp. 6- 35th Sky wave propag 24th Group 2: Exp. 6-	To plot the variation wave propagation To plot the variation gation, lonospher	on of field strength , Standard atmosy on of field strength e and its layers	of a radiated way	ve, with distance f	from a transmitting	g antenna. (Revisi	on& Viva)		
Group 2: Exp. 6- 33rd Range of space 12th 34th Duct propagation 23rd Group 1: Exp. 6- 35th Sky wave propag 24th Group 2: Exp. 6-	To plot the variation wave propagation To plot the variation gation, lonospher	on of field strength , Standard atmosp on of field strength e and its layers	of a radiated way	ve, with distance f ve, with distance ve, with distance f	rom a transmitting from a transmitting	g antenna. (Revisi	on& Viva)		
Group 2: Exp. 6- 33rd Range of space 12th 34th Duct propagation 23rd Group 1: Exp. 6- 35th Sky wave propag 24th Group 2: Exp. 6-	To plot the variation wave propagation To plot the variation gation, lonospher	on of field strength , Standard atmosy on of field strength e and its layers on of field strength	of a radiated way	ve, with distance f ve, with distance ve, with distance f	rom a transmitting from a transmitting	g antenna. (Revisi	on& Viva) on& Viva)		
Group 2: Exp. 6- 33rd Range of space 12th 34th Duct propagation 23rd Group 1: Exp. 6- 35th Sky wave propag 24th Group 2: Exp. 6- 36th	To plot the variation wave propagation To plot the variation gation, lonospher To plot the variation	on of field strength , Standard atmosp on of field strength e and its layers on of field strength	of a radiated way	ve, with distance f ve, with distance ve, with distance f	rom a transmitting from a transmitting	g antenna. (Revisi	on& Viva) on& Viva)		
Group 2: Exp. 6- 33rd Range of space 12th 34th Duct propagation 23rd Group 1: Exp. 6- 35th Sky wave propag 24th Group 2: Exp. 6- 36th Explanation of th	To plot the variation wave propagation To plot the variation gation, lonospher To plot the variation e terms: Virtual h	on of field strength , Standard atmosy on of field strength e and its layers on of field strength	of a radiated way ohere n of a radiated way of a radiated way ency	ve, with distance f ve, with distance ve, with distance f	rom a transmitting	g antenna. (Revisi	on& Viva) on& Viva)		
Group 2: Exp. 6- 33rd Range of space 12th 34th Duct propagation 23rd Group 1: Exp. 6- 35th Sky wave propag 24th Group 2: Exp. 6- 36th Explanation of th 13th	To plot the variation wave propagation To plot the variation gation, lonospher To plot the variation to plot the variation	on of field strength , Standard atmosy on of field strength e and its layers on of field strength eight, critical frequ	of a radiated way ohere n of a radiated way of a radiated way ency	ve, with distance f ve, with distance ve, with distance f	rom a transmitting	g antenna. (Revisi	on& Viva) on& Viva)		
Group 2: Exp. 6- 33rd Range of space 12th 34th Duct propagation 23rd Group 1: Exp. 6- 35th Sky wave propag 24th Group 2: Exp. 6- 36th Explanation of th 13th	To plot the variation wave propagation To plot the variation gation, lonospher To plot the variation e terms: Virtual ho	on of field strength , Standard atmosy on of field strength e and its layers on of field strength eight, critical frequ	of a radiated way ohere n of a radiated way of a radiated way ency	ve, with distance f ve, with distance ve, with distance f	rom a transmitting	g antenna. (Revisi	on& Viva) on& Viva)		
Group 2: Exp. 6- 33rd Range of space 12th 34th Duct propagation 23rd Group 1: Exp. 6- 35th Sky wave propag 24th Group 2: Exp. 6- 36th Explanation of th 13th 37th	To plot the variation wave propagation To plot the variation gation, lonospher To plot the variation e terms: Virtual ho	on of field strength , Standard atmosp on of field strength e and its layers on of field strength eight, critical frequ	of a radiated way ohere n of a radiated way of a radiated way ency	ve, with distance f ve, with distance ve, with distance f	rom a transmitting from a transmitting	g antenna. (Revisi	on& Viva) on& Viva)		
Group 2: Exp. 6- 33rd Range of space 12th 34th Duct propagation 23rd Group 1: Exp. 6- 35th Sky wave propag 24th Group 2: Exp. 6- 36th Explanation of th 13th 37th Skip distance, m	To plot the variation wave propagation To plot the variation gation, lonospher To plot the variation e terms: Virtual he aximum usable fre	on of field strength , Standard atmosy on of field strength e and its layers on of field strength eight, critical frequ	of a radiated way ohere n of a radiated way of a radiated way ency	ve, with distance f ve, with distance ve, with distance f	rom a transmitting	g antenna. (Revisi	on& Viva) on& Viva)		
Group 2: Exp. 6- 33rd Range of space 12th 34th Duct propagation 23rd Group 1: Exp. 6- 35th Sky wave propag 24th Group 2: Exp. 6- 36th Explanation of th 13th 37th Skip distance, m 25th	To plot the variation wave propagation To plot the variation gation, lonospher To plot the variation e terms: Virtual he aximum usable fro	on of field strength , Standard atmosy on of field strength e and its layers on of field strength eight, critical frequ equency	of a radiated way ohere n of a radiated way of a radiated way ency	ve, with distance f	rom a transmitting	g antenna. (Revisi	on& Viva) on& Viva)		
Group 2: Exp. 6- 33rd Range of space 12th 34th Duct propagation 23rd Group 1: Exp. 6- 35th Sky wave propag 24th Group 2: Exp. 6- 36th Explanation of th 13th 37th Skip distance, m 25th	To plot the variation wave propagation To plot the variation pation, lonospher To plot the variation e terms: Virtual he aximum usable for	on of field strength , Standard atmosy on of field strength e and its layers on of field strength eight, critical frequ equency	of a radiated way ohere n of a radiated way of a radiated way ency	ve, with distance f	rom a transmitting	g antenna. (Revisi	on& Viva)		
Group 2: Exp. 6- 33rd Range of space 12th 34th Duct propagation 23rd Group 1: Exp. 6- 35th Group 2: Exp. 6- 36th Explanation of th 13th 37th Skip distance, m 25th Group 1: Exp. 7-	To plot the variation wave propagation To plot the variation gation, lonospher To plot the variation e terms: Virtual he aximum usable fro To study and rect	on of field strength , Standard atmosp on of field strength e and its layers on of field strength eight, critical frequ equency ify different faults	of a radiated way ohere of a radiated way of a radiated way ency in a broadcast rad	ve, with distance f ve, with distance ve, with distance f ve, with distance f	rom a transmitting	y antenna. (Revisi	on& Viva)		
Group 2: Exp. 6- 33rd Range of space 12th 34th Duct propagation 23rd Group 1: Exp. 6- 35th Sky wave propag 24th Group 2: Exp. 6- 36th Explanation of th 13th 37th Skip distance, m 25th Group 1: Exp. 7- 38th	To plot the variation wave propagation To plot the variation gation, lonospher To plot the variation e terms: Virtual he aximum usable fro To study and rect	on of field strength , Standard atmosy on of field strength e and its layers on of field strength eight, critical frequ equency	of a radiated way ohere n of a radiated way of a radiated way ency in a broadcast rad	ve, with distance f ve, with distance ve, with distance f io receiver.	rom a transmitting	g antenna. (Revisi	on& Viva)		
Group 2: Exp. 6- 33rd Range of space 12th 34th Duct propagation 23rd Group 1: Exp. 6- 35th Sky wave propag 24th Group 2: Exp. 6- 36th Explanation of th 13th 37th Skip distance, m 25th Group 1: Exp. 7- 38th Multiple hop prop	To plot the variation wave propagation To plot the variation gation, lonospher To plot the variation e terms: Virtual he aximum usable fre To study and rect pagation	on of field strength , Standard atmosy on of field strength e and its layers on of field strength eight, critical frequ equency ify different faults	of a radiated way ohere n of a radiated way of a radiated way ency in a broadcast rad	ve, with distance f ve, with distance ve, with distance f dio receiver.	rom a transmitting	antenna. (Revisi	on& Viva)		

Group 2: Exp. 7-	To study and rect	ify different faults	in a broadcast rad	dio receiver.				
39th								
Unit 5: Satellite C	ommunications: I	Basic idea, passiv	e and active satel	lites				
14th								
40th								
Meaning of the te	rms; orbit, apoge	e, perigee, Assign	ment					
27th								
Group 1: Exp. 7-	To study and rect	ify different faults	in a broadcast rac	dio receiver. (Revi	sion & Viva)			
41st								
Geo-stationary sa	atellite and its nee	d						
28th								
Group 2: Exp. 7-	To study and rect	ify different faults	in a broadcast rac	dio receiver. (Rev	ision & Viva)			
42nd								
Block diagram an	d explanation of a	a satellite commur	nication link					
15th								
43rd								
Introduction to VS	SAT and its featur	es						
29th								
Group 1: Revision	n & Internal Viva							
44th								
Class Test/Quiz								
30th								
Group 2: Revision	n & Internal Viva							
45th								
Revision								