				M. I. T, RAYAGAD					
	DEPARTN	ΛΕΝΤ ΟΓ	ELECTRO	NICS AND TELECO	MMUNIC	ATI	ON ENG	iG	
	ACA	DEMIC	LESSON PI	LAN FOR SUMMER	R SEMESTE	R-2	023		
NAME OF	THE FACULTY	Smita Pat	tnaik	DEPT	ETC				
SEMESTER 4th				SUBJECT	JBJECT Analog Electronics and Linear				
NO. OF PERIODS PER WEEK 5			TOTAL PERIODS	75					
END SEMESTER EXAM 80			CLASS TEST	20					
			100						
WEEK	PERIOD	UNIT/	CHAPTER	TOF	PIC TO BE	01	/ERED		
1st -	1st	-		Introduction of pn junction diode					
	2nd			Symbol, p and ntype semiconducto rworking principles of pn junction dioc					
	3rd			voltage and current characteristics of pn junction diode					
	4th	4		Zener and Avalanche breakdown diodes					
	5th	Diode, tran	sistors and	Definition of rectifoer. Rectifier classification.					
	1st	circuits		Fullwave centre tap and bridge rectifier					
	2nd			Transistors circuits					
2nd	3rd	4		Different connections of transistor circuits					
-	4th	-		Transistor biasing					
	5th			Rc coupled amplifiers					
ŀ	1st	Audio power amplifiers		concept of voltage amplifier					
3rd	2nd			concept of power amplifier Difference between voltage and power amplifier					
	3rd 4th			Types of power amplifiers					
	5th			Class A and Class B power amplifiers					
- 4th				Class C and ClassD power amplifiers					
	2nd			Class C and Class power amplifiers					
	3rd	1		PushPull power amplifier					
ŀ	4th			Introduction of Field Effect Transistor					
ŀ	5th			Difference between FET and BJT					
	1st			Types of FET					
	2nd			Working principle of JFET					
5th	3rd		tuonaistar	N-channel and P-channel JFET					
-	4th	Field effect transistor		Concept of MOSFET					
	5th			Types of MOSFET					
6th - 7th -	1st			Construction of MOSFET					
	2nd	1		Working principle of MOSFET					
	3rd			CMOS, LDMOS					
	4th	Feedback amplifiers and oscillator		Define feedback amplifier					
	5th			Negative feedback with block diagram					
	1st			Types of positive and negative amplifier					
	2nd			Voltage series and voltage shunt feedback					
	3rd			current series and current shunt feedback					
	4th			sine wave oscillator and barkhusen criteria					
	5th			Hartley and colpitt and rc phase shift oscillator					
	1st 2nd			tuned and crystal oscillator Tuned amplifier describe					

8th	3rd	]	Parallel resonance circuit
	4th		Double tuned circuit
	5th		Different types of Non linear circuit
	1st		Clippers and Clamper circuit
9th	2nd	Tuned amplifier and	Positive and Negative clampers circuits
	3rd	Waveshaping circuits	Different types of clamper ckts
	4th		working principles of astable and mono stable multivibrator
	5th		working principles of bistable multivibrator
	1st		RC circuits
	2nd		Parallel resonance circuit
10th	3rd		Revision the lesson
	4th		Differential amplifier and configuration
	5th		Block diagram of opamp, input offset voltage, slew rate
	1st		inverting and non inverting amplifier
	2nd		CMMR and its electric characters
11th	3rd		types of integrated circuit
	4th		open loop configuration
	5th	Operational amplifier circuits and feedback	circuit diagram of voltage series feedback
	1st	configuration	derive the close loop voltage gain
	2nd		gain feed back circuit input resistance
12th	3rd		close loop voltage gain
	4th		output resistance and bandwidth
	5th		voltage shunt feedback amplifier
	1st		output offset voltage with feedback
	2nd		revision
13th	3rd		Discuss the summing scaling of inverter and non inverter amplifier
	4th		Dcand AC amplifier using OpAmp
	5th		intergrater and differentiater using op amp
	1st		active filter
	2nd		zero crossing detector
14th	3rd		IC555 timer
	4th		IC565 PLL and aplication
	5th	IC voltage regulator	working of current to voltage convertor
	1st		working of voltage to frequency using opamp
[	2nd		78XX and 79XX
15th	3rd		LM317
	4th		LM723
	5th		LM317