



	3rd	Transistor circuit configuration & its characteristics		
	4th	1: CB Configuration CE Configuration	2:	
	5th	3:CC Configuration		
6th	1st	<b>part e (TRANSISTOR CIRCUITS) :</b> Transistor biasing		
	2nd	Stabilization		
	3rd	Stability factor		
	4th	Stability factor		
	5th	Different method of Transistors Biasing		
7th	1st	Base resistor method		
	2nd	Collector to base bias and Self bias or voltage divider method		
	3rd	<b>PART-d (TRANSISTOR AMPLIFIERS &amp; OSCILLATORS) :</b> <b>Practical circuit of transistor amplifier</b>		
	4th	DC load line and DC equivalent circuit		
	5th	AC load line and AC equivalent circuit		
8th	1st	Calculation of gain		
	2nd	Phase reversal		
	3rd	H-parameters of transistors		
	4th	Simplified H-parameters of transistors		
	5th	Generalised approximate model		
9th	1st	Analysis of CB, CE, CC amplifier using generalised approximate model		
	2nd	Multi stage transistor amplifier		
	3rd	Feed back in amplifier		
	4th	Power amplifier and its classification		
	5th	Oscillators		
10th	1st	<b>part f (FIELD EFFECT TRANSISTOR) : Classification of FET</b>		
	2nd	Advantages of FET over BJT		
	3rd	Principle of operation of BJT		
	4th	FET parameters (no mathematical derivation)		
	5th	DC drain resistance		
11th	1st	2 AC drain resistance and Trans-conductance		
	2nd	<b>PART-g (OPERATIONAL AMPLIFIERS) :</b> General circuit simple of OP-AMP and IC – CA – 741 OP AMP		
	3rd	<b>Operational amplifier stages</b>		
	4th	Equivalent circuit of operational amplifier		
	5th	Open loop OP-AMP configuration		
12th	1st	<b>OPAMP with fed back</b>		
	2nd	Inverting OP-AMP		

	3rd	Non inverting OP-AMP		
	4th	Voltage follower & buffer		
	5th	Differential amplifier : 1 : Adder or summing amplifier 2 Sub tractor 3 Integrator . 4 Differentiator 5 Comparator		
	<b>HOD</b>	<b>DEAN</b>	<b>PRINCIPAL</b>	
				