

SPICE SESSION WISE BREAKUP

	TOPIC	NO. OF HOURS	
DAY 1	Models of resistor, capacitor, inductor, energy sources (VCVS, CCVS, Sinusoidal source, Pulse, etc) and transformer.	3Hrs	
	Models of DIODE, BJT, FET, MOSFET, etc..		
	Simulation of Potential divider		
	DAY 1	Simulation of Integrator & Differentiator (I/P PULSE) – Frequency response of RC circuits.	3Hrs
		Simulation of Diode Characteristics.	
		Simulation of BJT Characteristics.	
		Simulation of FET Characteristics.	
	DAY 2	Simulation of MOS characteristics.	3Hrs
Simulation of Full wave rectifiers (Transient analysis) including filter circuits.			
Simulation of Voltage Regulators.			
Simulation of Sweep Circuits.		3Hrs	
Simulation of RC Coupled amplifiers - Transient analysis and Frequency response.			
Simulation of FET & MOSFET amplifiers.			
Analysis			

