

STUDY PLAN

Network Theory		Communication System		Control System		Digital Electronics	
Topic	Timing	Topic	Timing	Topic	Timing	Topic	Timing
Parallel Resonance	Recording-1	Communication System-1	Recording-1			Orientation	Recording-1
Performance Parameters of Series and Parallel Resonance	Recording-2	Communication System-2	Recording-2			Introduction to Number systems	Recording-2
Average & RMS values of difference waveforms	Recording-3	Communication System-3	Recording-3	Introduction	Recording-1	Addition in different base	Recording-3
Two Port Networks & Graph Theory	Recording-4	Communication System-4	Recording-4	Basics of Control Systems	Recording-2	Subtraction in Different Base	Recording-4
Graph Theory and Questions	Recording-5	Communication System-5	Recording-5	Concept of Transfer Function	Recording-3	Complements	Recording-5
Poly phase Network	Recording-6	Communication System-6	Recording-6	Mechanical System	Recording-4	Interconversions part-1	Recording-6
Poly phase Network	Recording-7	Communication System-7	Recording-7	Block Diagram Reduction Technique & SFG	Recording-5	Interconversions part-2	Recording-7
Power Triangle, impedance Triangle, charging and discharging of Inductor and Capacitor	Recording-8	Communication System-8	Recording-8	Block Diagram Reduction Technique & SFG	Recording-6	Binary Codes,BCD	Recording-8
Electric Potential	Recording-9			Block Diagram Reduction Technique & SFG	Recording-7	Excess-3 and Gray Codes	Recording-9
Ohms law, Concept of Resistance	Recording-10			Time Domain Analysis	Recording-8	Practice Questions	Recording-10
Types Of Circuit Elements	Recording-11			Time Domain Analysis	Recording-9	Axioms and Operations	Recording-11
Concept of Inductor	Recording-12			Time Domain Analysis	Recording-10	Laws of Boolean Algebra	Recording-12
Concept of Capacitance & Laplace transforms	Recording-13			Time Domain Analysis	Recording-11	SOP and POS representation part-1	Recording-13
Some Functions & Their Laplace Transforms	Recording-14			Stability	Recording-12	SOP and POS representation part-2	Recording-14
Resistance in Series and Parallel & Star Delta conversion	Recording-15			Stability	Recording-13	Basic Gates	Recording-15
Capacitance in Series and Parallel	Recording-16			Root Locus Technique	Recording-14	Special Gates	Recording-16
KVL and KCL	Recording-17			Root Locus Technique	Recording-15	Universal Gates	Recording-17
Question Practice Session	Recording-18			Root Locus Technique	Recording-16	Circuits of Gates	Recording-18
Questions Practice Session	Recording-19			Root Locus Technique	Recording-17	Adders	Recording-19

Network Theorem	Recording-20			Frequency Domain Analysis	Recording-18	Subtractors	Recording-20
(Superposition Theorem)	Recording-21			Frequency Domain Analysis	Recording-19	Multiplexers part-1	Recording-21
Thevenin's, Nortons Theorem	Recording-22			Frequency Domain Analysis	Recording-20	Multiplexers part-2	Recording-22
Maximum Power Transfer Theorem	Recording-23			Polar Plots	Recording-21	Demultiplexers and Decoders	Recording-23
Tellegen's, Millman's & Reciprocity Theorem	Recording-24			Polar Plots	Recording-22	Practice Questions	Recording-24
AC Fundamentals	Recording-25			Polar Plots	Recording-23	Introduction to flip flops	Recording-25
Series Resonance	Recording-26			Nyquist Plot	Recording-24	Different types of Flip flops	Recording-26
				Nyquist Plot	Recording-25	Counters Basics	Recording-27
				Nyquist Plot	Recording-26	Counters Basics	Recording-28
				Bode Plot	Recording-27	Practice Questions	Recording-29
				Bode Plot	Recording-28	A/D Convertors	Recording-30
				Bode Plot	Recording-29	D/A Convertors	Recording-31
				Bode Plot	Recording-30	Practice Questions	Recording-32
				Bode Plot	Recording-31	Memories	Recording-33
				State Space Analysis	Recording-32		
				State Space Analysis	Recording-33		

Basic Electronics		Environment		History	
Topic	Timing	Topic	Timing	Topic	Timing
Basic Electronics-1	Recording-1	Environment-1	Recording-1	History-1	Recording-1
Basic Electronics-2	Recording-2	Environment-2	Recording-2	History-2	Recording-2
Basic Electronics-3	Recording-3	Environment-3	Recording-3	History-3	Recording-3
Basic Electronics-4	Recording-4	Environment-4	Recording-4	History-4	Recording-4

Basic Electronics-5	Recording-5		Environment-5	Recording-5		History-5	Recording-5
Basic Electronics-6	Recording-6		Environment-6	Recording-6		History-6	Recording-6
Basic Electronics-7	Recording-7		Environment-7	Recording-7		History-7	Recording-7
Basic Electronics-8	Recording-8		Environment-8	Recording-8		History-8	Recording-8
Basic Electronics-9	Recording-9		Environment-9	Recording-9		History-9	Recording-9
Basic Electronics-10	Recording-10		Environment-10	Recording-10		History-10	Recording-10
Basic Electronics-11	Recording-11					History-11	Recording-11
Basic Electronics-12	Recording-12					History-12	Recording-12
Basic Electronics-13	Recording-13					History-13	Recording-13
Basic Electronics-14	Recording-14					History-14	Recording-14
Basic Electronics-15	Recording-15					History-15	Recording-15
						History-16	Recording-16
						History-17	Recording-17
						History-18	Recording-18
						History-19	Recording-19
						History-20	Recording-20
						History-21	Recording-21
						History-22	Recording-22
						History-23	Recording-23
						History-24	Recording-24
						History-25	Recording-25
						History-26	Recording-26
						History-27	Recording-27

					History-28	Recording-28
					History-29	Recording-29
					History-30	Recording-30

