

Course Name: Digital Electronics**Instructor: Krishna T**

CLASS	CHAPTER	TOPIC	AUDIENCE
Class 1	Boolean Algebra	Boolean Laws	<i>Btech/B.E students GATE aspirants</i>
Class 2	Boolean Algebra	Boolean Laws	<i>Btech/B.E students GATE aspirants</i>
Class 3	Boolean Algebra	Boolean Laws	only for GATE aspirants
Class 4	Boolean Algebra	Consensus Theorem, Duality	<i>Btech/B.E students GATE aspirants</i>
Class 5	Boolean Algebra	Simplifying Minterms, Maxterms	<i>Btech/B.E students GATE aspirants</i>
Class 6	Boolean Algebra	Minterms, Maxterms	only for GATE aspirants
Class 7	Logic Gates	Basic Gates, Special Gates	<i>Btech/B.E students GATE aspirants</i>
Class 8	Logic Gates	Universal Gates NAND-NOR	<i>Btech/B.E students GATE aspirants</i>
Class 9	Logic Gates	Circuit Simplification	only for GATE aspirants
Class 10	K map	2 variable K map, 3 variable K map, 4 variable K map	<i>Btech/B.E students GATE aspirants</i>
Class 11	K map	Implicant, Prime Implicant Essential P.I.	<i>Btech/B.E students GATE aspirants</i>
Class 12	K map	Simplifying Kmaps, Don't Cares	<i>Btech/B.E students GATE aspirants</i>
Class 13	K map	Simplifying Kmaps	only for GATE aspirants
Class 14	Combinational Ckt	Half Adder, Half Subtractor	<i>Btech/B.E students GATE aspirants</i>
Class 15	Combinational Ckt	Half Adder, Half Subtractor	<i>Btech/B.E students GATE aspirants</i>
Class 16	Combinational Ckt	Full Adder	<i>Btech/B.E students GATE aspirants</i>
Class 17	Combinational Ckt	Full Subtractor	<i>Btech/B.E students GATE aspirants</i>
Class 18	Combinational Ckt	Ripple Carry Adder, Look Ahead Carry Adder	<i>Btech/B.E students GATE aspirants</i>
Class 19	Combinational Ckt	Adders	only for GATE aspirants
Class 20	Combinational Ckt	Multiplexer	<i>Btech/B.E students GATE aspirants</i>

Class 21	Combinational Ckt	Demux, Decoder	<i>Btech/B.E students GATE aspirants</i>
Class 22	Combinational Ckt	Encoder, Comparator	<i>Btech/B.E students GATE aspirants</i>
Class 23	Combinational Ckt	Problems on Mux, Demux, Encoder, Decoder	only for GATE aspirants
Class 24	Sequential Ckt	Clock, SR Flip Flop	<i>Btech/B.E students GATE aspirants</i>
Class 25	Sequential Ckt	JK Flip Flop, T Flip Flop, D Flip Flop	<i>Btech/B.E students GATE aspirants</i>
Class 26	Sequential Ckt	Flip Flops, Registers	only for GATE aspirants
Class 27	Sequential Ckt	Counters-Sync, Async	<i>Btech/B.E students GATE aspirants</i>
Class 28	Sequential Ckt	Cascaded Counters	<i>Btech/B.E students GATE aspirants</i>
Class 29	Sequential Ckt	Counters	only for GATE aspirants
Class 30	Number System	SNM, Range, Conversions	<i>Btech/B.E students GATE aspirants</i>
Class 31	Number System	Gray Code, Excess-3 Code	<i>Btech/B.E students GATE aspirants</i>
Class 32	Number System	IEEE Floating Point Rep, Hamming Booth	only for GATE aspirants