



IES MASTER

Institute for Engineers (IES/GATE/PSUs)

ESE-2018 Conventional Test Schedule, Electronics Engineering

Date	Topic
11th Mar 2018	N.T. : BEE-1, MI-1, CS-1 R.T. :
25th Mar 2018	N.T. : BEX-1, NT-1, EMT-1 R.T. : BEE-1, CS-1, MI-1
01st Apr 2018	N.T. : BEE-2, NT-2, EMT-2, CO-1 R.T. : BEX-1, EMT-1, NT-1
08th Apr 2018	N.T. : MI-2, NT-3, MAT-1, CS-2 R.T. : BEE-2, NT-2, CS-1, EMT-2
15th Apr 2018	N.T. : BEX-2, CS-3, CO-2 R.T. : MI-2, CO-1, MAT-1, NT-2
22nd Apr 2018	N.T. : ADC-1, EMT-3, COMM-1 R.T. : CS-2, NT-1, EMT-1, BEX-1, EMT-2
29th Apr 2018	N.T. : ADC-2 BEX-3, ACT-1 R.T. : BEE-2, MI-2, EMT-3, ADC-1, NT-2, CS-2, CS-3
06th May 2018	N.T. : AET-1, MAT-2, ADC-3 R.T. : ADC-2, BEX-2, BEE-1, MI-1, CS-2, ACT-1, NT-3, CO-2, COMM-1
13th May 2018	N.T. : AET-2, ACT-2, COMM-2 R.T. : ADC-1, ADC-3, AET-1, CS-3, BEX-1, MAT-2, MAT-1
20th May 2018	N.T. : COMM-3, MI-3, CO-3 R.T. : ADC-3, AET-2, ACT-1, CO-1, CO-3, COMM-2, NT-3, MAT-2, ACT-2, MI-3
27th May 2018	N.T. : AET-3, ADC-4, MAT-3 R.T. : CO-3, ACT-2, MAT-3, BEX-2, CS-2, EMT-3, BEX-3, AET-1 AET-2, COMM-2, ADC-4
03rd Jun 2018	Full Length-1 (Test Paper-1 + Test Paper-2)
10th Jun 2018	Full Length-2 (Test Paper-1 + Test Paper-2)
17th Jun 2018	Full Length-3 (Test Paper-1 + Test Paper-2)

Test Type

Timing

Day

Conventional Test	10:00 A.M. to 1:00 P.M.	Sunday
Conventional Full Length Test Paper-1	10:00 A.M. to 1:00 P.M.	Tuesday
Conventional Full Length Test Paper-2	02:00 P.M. to 5:00 P.M.	Tuesday

Note : The timing of the test may change on certain dates. Prior information will be given in this regard.

*N.T. : New Topic. *R.T. : Revision Topic

Call us : 8010009955, 011-41013406 or Mail us : info@iesmaster.org

Subject Code Details

Basic Electronics Engineering (BEX)	BEX-1	BEX-2	BEX-3	
	<ul style="list-style-type: none"> ◆ Basics of Semiconductors ◆ Diode : Basics, Characteristics & its types ◆ BJT, JFET, MOSFET-Basic Structure & Characteristics 	<ul style="list-style-type: none"> ◆ Transistor Amplifiers ◆ Oscillators & Other circuits ◆ Basic of Linear ICs ◆ Operational Amplifier & their applications 	<ul style="list-style-type: none"> ◆ Basics of ICs; Bipolar, MOS & CMOS ICs ◆ Optical Sources / Detectors ◆ Basics of Optoelectronics & Applications 	
Basic Electrical Engineering (BEE)	BEE-1		BEE-2	
	<ul style="list-style-type: none"> ◆ Basics of Circuit Theory and Electromagnetic Field Theory ◆ Single Phase AC circuits ◆ Transformer ◆ DC Machine 		<ul style="list-style-type: none"> ◆ Induction Machine ◆ Synchronous Machine ◆ Electrical Power Sources, Basics of Batteries & its uses 	
Material Science (MAT)	MAT-1	MAT-2		MAT-3
	<ul style="list-style-type: none"> ◆ Crystalline Structure ◆ Dielectric properties of matter ◆ Ceramic materials 	<ul style="list-style-type: none"> ◆ Magnetic properties of materials ◆ Insulating laminates for electronics ◆ Conductors & Superconductors 		<ul style="list-style-type: none"> ◆ Semiconductor & Optical materials ◆ Nano materials Nano-optical / Magnetic / Electronic materials
Electronic Measurement and Instrumentation (MI)	MI-1	MI-2		MI-3
	<ul style="list-style-type: none"> ◆ Error analysis & basics of measurement ◆ Basic measuring instruments ◆ Measurement of Energy & Power 	<ul style="list-style-type: none"> ◆ Measurement of Resistance ◆ AC Bridges ◆ Potentiometer ◆ Cathode Ray Oscilloscope (CRO) ◆ Q-meter 		<ul style="list-style-type: none"> ◆ Basics of electronic measurements ◆ Digital & electronic voltmeter ◆ Digital frequency meter ◆ Transducers & Displays ◆ Basics of Telemetry ◆ Data Acquisition System
Network Theory (NT)	NT-1	NT-2		NT-3
	<ul style="list-style-type: none"> ◆ Network elements ◆ Network theorems ◆ 2-port networks 	<ul style="list-style-type: none"> ◆ Transient and Steady State Response ◆ Steady State Sinusoidal analysis ◆ Resonance 		<ul style="list-style-type: none"> ◆ Network Functions ◆ Graph Theory ◆ Filters ◆ State equations for networks
Analog and Digital Circuits (ADC)	ADC-1	ADC-2	ADC-3	ADC-4
	<ul style="list-style-type: none"> ◆ Small Signal equivalent of Diodes, BJTs and FETs ◆ Different Diode Circuits ◆ Biasing and Stability of BJTs & JFET amplifier circuits 	<ul style="list-style-type: none"> ◆ Analysis / Design of amplifiers signal & multi-stage ◆ Feedback & its uses ◆ Active filters, timers, multipliers, wave shaping, A/D & D/A converters 	<ul style="list-style-type: none"> ◆ Boolean Algebra & Logic Gates ◆ Combinational circuits : Design & Applications ◆ Memories and Microprocessor : Design & Applications 	<ul style="list-style-type: none"> ◆ Sequential circuits : Design & Applications ◆ Design IC Logic families
Among and Digital Communication (COMM)	COMM-1		COMM-2	
	<ul style="list-style-type: none"> ◆ Probability Theory ◆ Analog Communication Systems 		<ul style="list-style-type: none"> ◆ Random Signals and Noise ◆ Digital Communication Systems 	
Control Systems (CS)	CS-1		CS-2	
	<ul style="list-style-type: none"> ◆ Signals and Systems ◆ System Realization ◆ Transforms & their Applications 		<ul style="list-style-type: none"> ◆ Basics of Control Systems ◆ Block Diagram & Signal Flow Graphs ◆ Time Response Analysis ◆ Routh Hurwitz criteria & Root Locus Technique 	
Computer Organization and Architecture (CO)	CO-1		CO-2	
	<ul style="list-style-type: none"> ◆ Basics of Computer Organization 		<ul style="list-style-type: none"> ◆ Operating Systems 	
Electromagnetics (EMT)	EMT-1		EMT-2	
	<ul style="list-style-type: none"> ◆ Elements of Vector Calculus ◆ Electrostatics ◆ Magnetostatics 		<ul style="list-style-type: none"> ◆ Maxwell's Equations ◆ Electromagnetic Wave propagation through different media ◆ Transmission Lines 	
Advanced Electronics Topics (AET)	AET-1		AET-2	
	<ul style="list-style-type: none"> ◆ VLSI Technology ◆ VLSI Design ◆ Mealy and Moore circuit design ◆ Pipeline concept and functions ◆ Designs for tesatbly and examples 		<ul style="list-style-type: none"> ◆ Digital Signals Processing ◆ Digital Filters ◆ Speech / Audio / Radar Signal Processing 	
Advanced communication Topics (ACT)	ACT-1		ACT-2	
	<ul style="list-style-type: none"> ◆ Communication Networks : Principles / Practices / Technologies / Uses / OSI Model / Security ◆ Basic packet multiplexed streams / scheduling ◆ Protocols (TCP / TCP-IP) 		<ul style="list-style-type: none"> ◆ Microwave & Satellite Communication ◆ Fiber Optic Communication ◆ Cellular Networks : Types, Analysis 	