

GATE 2018 Online Test Series - Electrical Engineering

Test No	Type of test	Test Live from	Test details	Test Syllabus	Difficulty level	No of questions	Max Marks	Test duration
1	Unit Test - Partial Syllabus	29th March 2017 Onwards	Engineering Mathematics-I	Linear Algebra, Statistics	Easy	10	15	30 min
2			Engineering Mathematics-II	Probability, Calculus	Easy	10	15	30 min
3			Engineering Mathematics-III	Numerical Methods, Vector Calculus, Complex Analysis	Easy	10	15	30 min
4			Engineering Mathematics-IV	Laplace Transforms, Differential Equations, Integral Calculus	Easy	10	15	30 min
5			Networks-I	Fundamentals	Easy	10	15	30 min
6			Networks-II	Dc Network Theorems & Two Port Networks	Easy	10	15	30 min
7			Networks-III	Inductors And Capacitors, Dc Transients	Easy	10	15	30 min
8			Networks-IV	Ac Circuits	Easy	10	15	30 min
9			Analog Circuits-I	Diode Circuits	Easy	10	15	30 min
10			Analog Circuits-II	Bjt And Mosfet Circuits	Easy	10	15	30 min
11			Analog Circuits-III	Opamp Applications, Feedback Amplifier, Power Amplifier, 555 Timer	Easy	10	15	30 min
12			Digital Circuits-I	Number System, Boolean Algebra, Logic Gates, Kmap	Easy	10	15	30 min
13			Digital Circuits-II	Combinational And Sequential Circuits, Finite State Machines	Easy	10	15	30 min
14			Digital Circuits-III	Data Converters, Semiconductor Memories, Micro Processor	Easy	10	15	30 min
15			Signals and Systems-I	Fundamentals, Classification Of Continuous Time & Discrete Time, Ltio Systems	Easy	10	15	30 min
16			Signals and Systems-II	Classification Of Signals Continuous Time & Discrete Time	Easy	10	15	30 min
17			Signals and Systems-III	Continuous Time Fourier Series, Laplace Transforms, Z Transforms	Easy	10	15	30 min
18			Control Systems-I	Fundamentals, Block Diagram, Signal Flow Graph	Easy	10	15	30 min
19			Control Systems-II	Time Response Analysis	Easy	10	15	30 min
20			Control Systems-III	Frequency Responce Analysis	Easy	10	15	30 min
21			Control Systems-IV	State Space Analysis, Controllability, Observability	Easy	10	15	30 min
22			Electrical Machines-I	Transformers	Easy	10	15	30 min
23			Electrical Machines-II	Dc Machines	Easy	10	15	30 min
24			Electrical Machines-III	Induction Machines	Easy	10	15	30 min
25			Electrical Machines-IV	Synchronous Machines, Special Machines	Easy	10	15	30 min
26			Power Systems-I	Power Generation Transmission Concepts	Easy	10	15	30 min
27			Power Systems-II	Insulators, Distribution Systems, Voltage And Frequency Control, Power Factor Correction	Easy	10	15	30 min

28		Power Systems-III	Per-Unit Quantities, Load Flow Analysis, Fault Analysis	Easy	10	15	30 min	
29		Power Systems-IV	Switch Gear And Protection, System Stability Concepts, Equal Area Criterion	Easy	10	15	30 min	
30		Measurements-I	Bridges And Potentiometers, Measurement Of Voltage, Current,	Easy	10	15	30 min	
31		Measurements-II	Power, Energy And Power Factor; Instrument Transformers, Digital Voltmeters And Multimeters,	Easy	10	15	30 min	
32		Measurements-III	Phase, Time And Frequency Measurement; Oscilloscopes, Error Analysis.	Easy	10	15	30 min	
33		Power Electronics-I	Power Semiconductor Devices, Phase Controlled Rectifiers	Easy	10	15	30 min	
34		Power Electronics-II	Single Phase And Three Phase Inverters, Sinusoidal Pulse Width Modulation.	Easy	10	15	30 min	
35		Power Electronics-III	Dc To Dc Conversion: Buck, Boost And Buck-Boost Converters;	Easy	10	15	30 min	
36		Electromagnetic fields	Electrostatics, Magnetostatics, Maxwell Equations	Easy	10	15	30 min	
37		Verbal Ability-I	Antonyms, Synonyms, Verbal Analogies, Word Group, Spotting Errors And Vocabulary Building	Easy	10	15	30 min	
38		Verbal Ability-II	Sentence Completion, Sentence Improvement, Critical Reasoning, Statements And Conclusions,	Easy	10	15	30 min	
39		Numerical Ability-I	Profit Or Loss, Averages, Number Series, Time And Work, Time, Speed And Distance, Ratios And Proportions And Functions	Easy	10	15	30 min	
40		Numerical Ability-II	Data Interpretation, Data Sufficiency, Clocks And Calendars, Directions And Blood Relations	Easy	10	15	30 min	
1			Engineering Mathematics-I	Linear Algebra, Statistics	Moderate	20	30	60 min
2			Engineering Mathematics-II	Probability, Calculus	Moderate	20	30	60 min
3			Engineering Mathematics-III	Numerical Methods, Vector Calculus, Complex Analysis	Moderate	20	30	60 min
4			Engineering Mathematics-IV	Laplace Transforms, Differential Equations, Integral Calculus	Moderate	20	30	60 min
5	Networks-I		Fundamentals	Moderate	20	30	60 min	
6	Networks-II		Dc Network Theorems & Two Port Networks	Moderate	20	30	60 min	
7	Networks-III		Inductors And Capacitors, Dc Transients	Moderate	20	30	60 min	
8	Networks-IV		Ac Circuits	Moderate	20	30	60 min	
9	Analog Circuits-I		Diode Circuits	Moderate	20	30	60 min	
10	Analog Circuits-II		Bjt And Mosfet Circuits	Moderate	20	30	60 min	

11	Section Test - Partial Syllabus
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7th June 2017 Onwards

Analog Circuits-III	Opamp Applications, Feedback Amplifier, Power Amplifier, 555 Timer	Moderate	20	30	60 min
Digital Circuits-I	Number System, Boolean Algebra, Logic Gates, Kmap	Moderate	20	30	60 min
Digital Circuits-II	Combinational And Sequential Circuits, Finite State Machines	Moderate	20	30	60 min
Digital Circuits-III	Data Converters, Semiconductor Memories, Micro Processor	Moderate	20	30	60 min
Signals and Systems-I	Fundamentals, Classification Of Continuous Time & Discrete Time, Ltio Systems	Moderate	20	30	60 min
Signals and Systems-II	Classification Of Signals Continuous Time & Discrete Time	Moderate	20	30	60 min
Signals and Systems-III	Continuous Time Fourier Series, Laplace Transforms, Z Transforms	Moderate	20	30	60 min
Control Systems-I	Fundamentals, Block Diagram, Signal Flow Graph	Moderate	20	30	60 min
Control Systems-II	Time Response Analysis	Moderate	20	30	60 min
Control Systems-III	Frequency Responce Analysis	Moderate	20	30	60 min
Control Systems-IV	State Space Analysis, Controllability, Observability	Moderate	20	30	60 min
Electrical Machines-I	Transformers	Moderate	20	30	60 min
Electrical Machines-II	Dc Machines	Moderate	20	30	60 min
Electrical Machines-III	Induction Machines	Moderate	20	30	60 min
Electrical Machines-IV	Synchronous Machines, Special Machines	Moderate	20	30	60 min
Power Systems-I	Power Generation Transmission Concepts	Moderate	20	30	60 min
Power Systems-II	Insulators, Distribution Systems, Voltage And Frequency Control, Power Factor Correction	Moderate	20	30	60 min
Power Systems-III	State Space Analysis, Controllability, Observability	Moderate	20	30	60 min
Power Systems-IV	Switch Gear And Protection, System Stability Concepts, Equal Area Criterion	Moderate	20	30	60 min
Measurements-I	Bridges And Potentiometers, Measurement Of Voltage, Current,	Moderate	20	30	60 min
Measurements-II	Power, Energy And Power Factor; Instrument Transformers, Digital Voltmeters And Multimeters,	Moderate	20	30	60 min
Measurements-III	Phase, Time And Frequency Measurement; Oscilloscopes, Error Analysis.	Moderate	20	30	60 min
Power Electronics-I	Power Semiconductor Devices, Phase Controlled Rectifiers	Moderate	20	30	60 min
Power Electronics-II	Single Phase And Three Phase Inverters, Sinusoidal Pulse Width Modulation.	Moderate	20	30	60 min

35			Power Electronics-III	Dc To Dc Conversion: Buck, Boost And Buck-Boost Converters;	Moderate	20	30	60 min
36			Electromagnetics-I	Electrostatics, Magnetostatics, Maxwell Equations	Moderate	20	30	60 min
37			Verbal Ability-I	Antonyms, Synonyms, Verbal Analogies, Word Group, Spotting Errors And Vocabulary Building	Moderate	20	30	60 min
38			Verbal Ability-II	Sentence Completion, Sentence Improvement, Critical Reasoning, Statements And Conclusions,	Moderate	20	30	60 min
39			Numerical Ability-I	Profitr Or Loss, Averages, Number Series,Time And Work, Time, Speed And Distance, Ratios And Proportions And Functions	Moderate	20	30	60 min
40			Numerical Ability-II	Data Interpretation, Data Sufficiency, Clocks And Calendars, Directions And Blood Relations	Moderate	20	30	60 min
1		Full length Mock Tests	19th July'17 Onwards	Extra Edge Test-01	Full Syllabus	Easy	65	100
2	2nd August'17 Onwards		Extra Edge Test-02	Full Syllabus	Easy	65	100	180 min
3	16th August'17 Onwards		Extra Edge Test-03	Full Syllabus	Easy	65	100	180 min
4	30th August'17 - 13th Sept'17		Self Administered Test-1	Full Syllabus	Easy & Moderate	65	100	180 min
5	13th Sept'17 Onwards		Extra Edge Test-04	Full Syllabus	Easy & Moderate	65	100	180 min
6	27th Sept'17 - 11th Oct'17		Self Administered Test-2	Full Syllabus	Easy & Moderate	65	100	180 min
7	4th Oct'17 Onwards		Extra Edge Test-05	Full Syllabus	Easy & Moderate	65	100	180 min
8	18th Oct'17 - 31st Oct'17		Self Administered Test-3	Full Syllabus	Moderate	65	100	180 min
9	1st Nov'17 Onwards		Extra Edge Test-06	Full Syllabus	Moderate	65	100	180 min
10	15th Nov'17 - 28th Nov'17		Self Administered Test-4	Full Syllabus	Moderate	65	100	180 min
11	29th Nov'17 - 12th Dec'17		Self Administered Test-5	Full Syllabus	Moderate	65	100	180 min
12	13th Dec'17 - 26th Dec'17		Self Administered Test-6	Full Syllabus	Moderate & Hard	65	100	180 min
13	23rd Dec'17 - 29th Dec'17		Monitored Test-01	Full Syllabus	Moderate & Hard	65	100	180 min
14	30th Dec'17 - 5th Jan'17		Monitored Test-02	Full Syllabus	Hard	65	100	180 min
15	6th Jan'17 - 12th Jan'18		Monitored Test-03	Full Syllabus	Hard	65	100	180 min
16	23rd Jan'18 - 29th Jan'18		Monitored Test-04	Full Syllabus	GATE level	65	100	180 min

