



# GATE 2018 ONLINE TEST SERIES

*Complete with best...*

- ◆ Our proficient faculties have done extensive research to prepare and shape these test series.
- ◆ An opportunity for students to come across their strengths and weaknesses and work on them properly to turn the things around.
- ◆ Care has been taken to ensure that the quality of questions has the same level of difficulty as is there in the GATE.

## GATE 2018 ONLINE TEST SERIES

### Highlights :

- There are 20<sup>+</sup> subject-wise tests, 10 full length tests and 20<sup>+</sup> topic wise tests.
- Each Test is available till 15th Feb. 2018 This gives the flexibility to students to appear in the tests any time & from anywhere based on their level of preparation. However, the relative score will be given to those students only who access online tests before their expiry period.
- The individual results will be available immediately after the test.
- Students can check their relative performance question wise also i.e. for a particular questions how many students were able to correct that question and how many failed etc.
- Best question bank for complete preparation.
- AIR and comparison with All India GATE 2018 aspirant.
- Electronic Gadget such as virtual keyboard and virtual calculator available.

### Special Features :

- In every test students will come across two levels that is basic level and advance level tests, which will help the students to prepare the subjects thoroughly.
- Discount available for meritorious students and Previous Batch GATE ACADEMY students.



# Online Test Series Schedule for GATE 2018

## BRANCH : ELECTRONICS

### Online Test Series Schedule for GATE 2018

#### BRANCH : ELECTRONICS & COMMUNICATION ENGINEERING

Test Name	Description
<b>Topic Wise Tests</b> Total 20 tests	Starting from 5 <sup>th</sup> May 2017 onwards
<b>Subject Wise Tests</b> Total 20 tests	Starting from 10 <sup>th</sup> May 2017 onwards
<b>Full Length Mock GATE</b> Total 10 tests	Starting from 01 <sup>st</sup> September 2017 onwards

#### Topic-wise Tests

(Each test carries 30 marks and 60 minutes duration.  
Test consists of 10 one mark questions and 10 two marks questions)

Topic	Subject	Date (Available From - To)
Basic Concept of Network, Network Theorem, Two port Network	Network Analysis	05-05-2017 to 2 <sup>nd</sup> week of February
Transient & Steady State Response, Phasor & resonance, Complex Power, Graph Theory, Magnetic Coupling		05-05-2017 to 2 <sup>nd</sup> week of February

Topic	Subject	Date (Available From - To)
Basics of Control Systems, Block Diagram & Signal Flow Graph, Time Response Analysis, Routh Array, Root Locus Diagram	Control Systems	05-05-2017 to 2 <sup>nd</sup> week of February
Polar & Nyquist Plot, Bode Plot, Frequency Response of Second Order System, State Space Analysis, Mechanical System, Controllers & Compensators		05-05-2017 to 2 <sup>nd</sup> week of February

Topic	Subject	Date (Available From - To)
Amplitude Modulation, Frequency Modulation, Random Variable & Random Process	Communication Systems	05-05-2017 to 2 <sup>nd</sup> week of February
Baseband transmission, Bandpass transmission, Information theory, Noise in Digital Communication		05-05-2017 to 2 <sup>nd</sup> week of February

Topic	Subject	Date (Available From - To)
Complete analysis of signals and systems, Continuous time Fourier transform, Laplace transform	Signals & Systems	05-05-2017 to 2 <sup>nd</sup> week of February
Continuous time Fourier Series, Z-Transform, Discrete time Fourier transform, Discrete time Fourier Series, DFT and FFT		05-05-2017 to 2 <sup>nd</sup> week of February

Topic	Subject	Date (Available From - To)
Gates and Boolean Algebra, Combinational circuits and Sequential Circuits	Digital Electronics	05-05-2017 to 2 <sup>nd</sup> week of February
Microprocessor - 8085, Logic Family, DAC & ADC		05-05-2017 to 2 <sup>nd</sup> week of February

Topic	Subject	Date (Available From - To)
Linear Algebra, Differential Equation, Limits and Series expansion, Probability, Numerical methods.	Mathematics	05-05-2017 to 2 <sup>nd</sup> week of February
Differential Calculus, Integral Calculus, Vector Calculus, Mean Value Theorem, Complex Variable, Maxima and Minima		05-05-2017 to 2 <sup>nd</sup> week of February

Topic	Subject	Date (Available From - To)
Characteristics of diode, Clipping, Clamping and Rectifier, Zener diode as Regulator, Low Frequency FET & MOSFET Amplifier, High Frequency Amplifier, Feedback Amplifier,	Analog Circuits	05-05-2017 to 2 <sup>nd</sup> week of February
Transistor Biasing, Bias stability, Operational Amplifier circuits and its applications, Oscillators, Wave shaping circuits, 555 Timers, Power amplifiers, Power supplies (ripple removal and regulation)		05-05-2017 to 2 <sup>nd</sup> week of February

Topic	Subject	Date (Available From - To)
Basic concept of semiconductor, Energy bands in intrinsic and extrinsic silicon, Generation and recombination of carriers, Poisson and continuity equations, P-N junction and Basic Concept of Zener diode (Except Regulation).	Electronics Devices	05-05-2017 to 2 <sup>nd</sup> week of February
Basic of BJT, JFET, MOS Capacitor, CMOS Inverter, MOSFET, Special Semiconductor devices, Integrated circuit fabrication.		05-05-2017 to 2 <sup>nd</sup> week of February

Topic	Subject	Date (Available From - To)
Electromagnetic wave propagation and Transmission line	Electromagnetic Theory	05-05-2017 to 2 <sup>nd</sup> week of February
Electrostatic, Magnetostatic, Waveguide and Antenna		05-05-2017 to 2 <sup>nd</sup> week of February

Topic	Subject	Date (Available From - To)
Quantitative Aptitude	General Aptitude	05-05-2017 to 2 <sup>nd</sup> week of February
Verbal Aptitude		05-05-2017 to 2 <sup>nd</sup> week of February

## Basic Subject-wise Tests

(Each test carries 50 marks and 90 minutes duration.)

Test consists of 10 one mark questions and 20 two marks questions)

Subjects	Date (Available from - To)
Control Systems	10-05-2017 to 2 <sup>nd</sup> week of February
Communication Systems	10-05-2017 to 2 <sup>nd</sup> week of February
Electromagnetic Theory	10-05-2017 to 2 <sup>nd</sup> week of February
Digital Electronics	10-05-2017 to 2 <sup>nd</sup> week of February
Network Analysis	10-05-2017 to 2 <sup>nd</sup> week of February
General Aptitude + General English	10-05-2017 to 2 <sup>nd</sup> week of February
Mathematics	10-05-2017 to 2 <sup>nd</sup> week of February
Electronic Devices	10-05-2017 to 2 <sup>nd</sup> week of February
Analog Electronics	10-05-2017 to 2 <sup>nd</sup> week of February
Signals & Systems	10-05-2017 to 2 <sup>nd</sup> week of February

## Advance Subject-wise Tests

(Each test carries 50 marks and 90 minutes duration.)

Test consists of 10 one mark questions and 20 two marks questions)

Subjects	Date (Available from - To)
Control Systems	10-05-2017 to 2 <sup>nd</sup> week of February
Communication Systems	10-05-2017 to 2 <sup>nd</sup> week of February
Electromagnetic Theory	10-05-2017 to 2 <sup>nd</sup> week of February
Digital Electronics	10-05-2017 to 2 <sup>nd</sup> week of February
Network Analysis	10-05-2017 to 2 <sup>nd</sup> week of February
General Aptitude + General English	10-05-2017 to 2 <sup>nd</sup> week of February
Mathematics	10-05-2017 to 2 <sup>nd</sup> week of February
Electronic Devices	10-05-2017 to 2 <sup>nd</sup> week of February
Analog Electronics	10-05-2017 to 2 <sup>nd</sup> week of February
Signals & Systems	10-05-2017 to 2 <sup>nd</sup> week of February

**Note : Student have to Upload their GATE Admit Card for Accessing Full Mock Test**

## Full Length Mock GATE (Tentative Schedule)

(Each test carries 100 marks and 3 hours duration) as per GATE Pattern.

Subjects	Date (Available from - To)
Full Length Mock - 1	01-09-2017 to 2 <sup>nd</sup> week of February
Full Length Mock - 2	05-09-2017 to 2 <sup>nd</sup> week of February
Full Length Mock - 3	09-09-2017 to 2 <sup>nd</sup> week of February
Full Length Mock - 4	13-10-2017 to 2 <sup>nd</sup> week of February
Full Length Mock - 5	17-10-2017 to 2 <sup>nd</sup> week of February
Full Length Mock - 6	21-10-2017 to 2 <sup>nd</sup> week of February
Full Length Mock - 7	07-11-2017 to 2 <sup>nd</sup> week of February
Full Length Mock - 8	14-11-2017 to 2 <sup>nd</sup> week of February
Full Length Mock - 9	07-12-2017 to 2 <sup>nd</sup> week of February
Full Length Mock - 10	12-12-2017 to 2 <sup>nd</sup> week of February

## Finally... How to get registered for Test Series ?

Step - I	Step - II
Visit www.onlinetestseries.gateacademy.co.in Click on New Registration Fill the Form You will be Redirected to the Test Portal Click on buy Package Make Payment using Coupon code (For gate academy student) or by online payment.	Send completely filled registration form to our office (for gate academy student)

COMPLETE TEST PACKAGE	
Gate Academy Students	300/-
Other than Gate Academy Students	1000/-
Ex. Gate Academy Students	500/-

ONLY SUBJECT WISE	
Other than Gate Academy Students	500/-

ONLY TOPIC WISE	
Other than Gate Academy Students	500/-

ONLY FULL LENGTH MOCK	
Other than Gate Academy Students	500/-

SUBJECT WISE + TOPIC WISE	
Other than Gate Academy Students	700/-

SUBJECT WISE + FULL LENGTH MOCK	
Other than Gate Academy Students	700/-



# GATE ACADEMY<sup>®</sup>

*steps to success....*

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