



Syllabus for Written Test

Syllabus for Written Exam

The examination aims to evaluate the basic fundamentals of the candidates along with their knowledge in their chosen research area. Depending on the area, the papers may also have question from mathematics depending on the requirement from one or many of Linear Algebra, Calculus, Differential Equations, Complex Variables, Probability and Statistics, Numerical Methods.

Microwave Engineering

Electromagnetics (from syllabus of GATE EC 2019)

Microelectronics/Nanotechnology and VLSI

Electronic Devices, Analog Circuits, and Digital Circuits (from syllabus of GATE EC 2019)

Communication

Signals and Systems, Communications, and Electromagnetics (from syllabus of GATE EC 2019)

Power Systems/Control Systems/Power Electronics

Power Systems/Control Systems/Power Electronics (from syllabus of GATE EE 2019)

Machine Learning and Signal Processing

Signals and Systems (from syllabus of GATE EC 2019) and Fundamentals of Image Processing