



ENGINEERS ACADEMY

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Electrical Engineering

EE

Subject	2012	2013	2014	2015	2016	2017
General Aptitude	15	15	15	15	15	15
Engg. Maths	10	13	11	9	14	13
Electrical Machines	9	6	13	13	10	14
Electric Fields & Circuits	12	11	10	14	17	13
Control Systems	10	10	8	10	10	10
Power Systems	12	8	10	9	10	9
Power Electronics	11	12	7	7	10	8
Signals & Systems	7	8	8	7	6	6
Analog Electronics	6	10	6	6	2	5
Measurements	3	4	6	4	2	4
Digital Electronics & MP	5	3	6	6	4	3

Additional Topics for ESE

Electromagnetic fields (Maxwell equations), Power systems (Gas & water turbine, solid state relays & digital protection, FACTS Concepts, HVDC transmission, power system dynamics, distributed generation, solar & wind power, smart grid, environmental implications, power economics, corona & radio interference, economic operation). Power electronics and drives (triggering circuits, adjustable speed DC & AC drives, DC-DC & DC-AC switched mode converters, resonant converters, high frequency inductors and transformers, power supplies). Analog and digital (multi vibrations, filters circuits and applications, basics of semiconductor diodes and transistors), electrical materials, computer fundamentals, measurements (Q-meter, transducers), communication systems.

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