

Professional Knowledge Syllabus for the post of "Junior Engineer"

Name of Stream	Syllabus
Electrical Stream	Basic Electrical
	Electrical Engineering Material
	DC/AC Machines and Transformer
	Analog Circuit / Electronics
	Electrical Measurement & Measuring Instruments
	Control Systems
	Digital Electronics
	Generation, Transmission & Distribution of Electric Power
	Circuit & Network Theory
	Microprocessor
	Power Electronics & Drive

Name of Stream	Syllabus
Mechanical Stream	Applied Mechanics
	Hydraulic & hydraulic Machines
	Strength of Material
	Theory of Machines
	Thermal Engineering & Power Plant Engineering
	Manufacturing Process
	Metrology & Measurements

Name of Stream	Syllabus
Instrumentation Stream	Networks, Signal & System
	Analog Electronics
	Digital Electronics
	Sensors & Industrial Instrumentation
	Measurements
	Control System
	Transducer, Transistors & OPAMPS
	Microprocessor & Microcontroller
	Electronic Devices & Circuit

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