

Professional Knowledge Syllabus for the post of "Assistant Engineer"

Name of Stream	Syllabus
Electrical Stream	Electric Circuit & Fields
	Electrical & Electronics measurement
	Analog & Digital Electronics
	System & Signal Processing
	Electrical Machines
	Power Systems
	Power Electronics & Drives
	Control Systems
	Electrical & Electronic Measurement
	Electrical Materials
	Basic Electronics Engineering

Name of Stream	Syllabus
Mechanical Stream	Applied Mechanics
	Fluid Mechanics & Hydraulic Machines
	Machine Design
	IC Engines, Refrigeration and Air Conditioning
	Strength of Material
	Theory of Machines
	Thermodynamics & Heat Transfer
	Power Plant Engineering
	Renewable sources of Energy
	Engineering Materials
	Production Planning & Control, Inventory Control, Operations research
	Manufacturing process
	Metrology & Inspection
Vibrations	

Name of Stream	Syllabus
Instrumentation Stream	Electricity & Magnetism
	Networks, Signals & System
	Analog Electronics
	Digital Electronics
	Sensor & Industrial Instrumentation
	Communication & Optical Instrumentation
	Electrical circuit & Machines
	Measurements
	Control Systems
	Analog & Digital Circuits
	Analog & Digital Communication System
	Electro Magnetics
	Electronic Devices