

**Mahagenco JE SYLLABUS**

Post Name	Domain Required	Topics	
Jr. Engineer	Aptitude - Technical & Non technical	Verbal Ability	
		Quantitative Ability	
		Logical Reasoning	
		Objective English	
	Diploma Electrical	Power Electronics	
		A C machine	
		Analog Circuits	
		Control System	
		DC Machine	
		Digital Electronics	
		Electrical Basics	
		Network theory	
		Diploma Electronics	Control Systems
			Digital Electronics and Logic Design
	Electronics Devices and Circuits		
	Micro processor/Microcontrollers		
	Operational Amplifiers		
	Power Electronics		
	Diploma Electronics & Power	Principles of Communication engineering	
		AC power transmissions	
		Bulk power transmissions	
		Distribution of power	
		Generation of electrical power	
	Diploma Electronics & Telecomm	Electronics & Communication/Basics	
		Analog Circuits	
		Basics	
		Integrated Circuits and Digital Electronics	
		Micro Processor and Micro Controllers	
		Other Electronic Devices	
		PLT	
		Semiconductors and Transistor Devices	
		Diploma Mechanical	Applied Mechanics
			Fluid Mechanics
	Hydraulic Machines		
	Machine Design		
	Pipe and Fitting		
	Refrigeration and Air Conditioning		
	SOM		
	Theory of machines		
	Welding Technology		
	Workshop Technology		
	Diploma Intrumentation		Thermodynamics
Fundamentals			
Transducers			
Electronics			
Control System			
Digital Circuits			
Micro processors & Microcontrollers			
Measurments			
Transistors & OPAMPS			

Post Name	Domain Required	Topics
Jr. Engineer	Diploma Power Engineering	Switchgear & Protections
		Thermal Power Plant Operation & Performance
		Power Plant Maintenance Practices
		Power Plant Operation Practices
		Elective I-Non-Conventional Energy Sources
		Power Plant Projects
		Steam Turbines & Its Auxiliaries
		Machine Design
		Thermal Power Plant Commissioning
		Energy Conversion
		Turbo Generator & its Auxiliaries
		Industrial Economics & Management
		Thermal Power Plant Control & Instrumentation
		Power Generation Techniques
		Steam Generators & its Auxiliaries
		Heat Transfer
		Auto Control
		Thermal Power Station Layout, Common Aux. & Safety
		Environmental Management
		Theory of Machines
		Engineering Thermodynamics
		Digital Circuits
		Basic Electrical Machines
		Fluid Power
		Material Science & Metallurgy
Manufacturing Process		
Network Analysis		
Electronic Devices & Circuits		

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