

**Approved Content Weightages for
MT-Engineers - Written Test**

Sr. No	Core Areas Division	% Weight
1-	Verbal Reasoning (IQ)	25%
2-	Analytical Reasoning	25%
3-	Subject Specific	50%
	Total	100%

Sr. No	Designation of the Post	Criteria and Subject Division	Subject % Weight
	Management Trainee Maintenance (Mechanical)	Overall Percentage	50%
		Power Plants & Thermodynamics	10%
		Engineering drawing and graphics	10%
		Materials & Manufacturing Processes	10%
		Machine design	5%
		Mechanics of Material	5%
		Mechanical Vibrations	5%
		Basic Electrical and Electronics	5%
02	Management Trainee Production (Chemical)	Overall Percentage	50%
		Chemical Process Principles	10%
		Chemical Engineering Thermodynamics	10%
		Chemical Reaction Engineering	10%
		Heat & Mass Transfer	10%
		Fluid Mechanics	5%
		Instrument and Process Control	5%
03	Management Trainee Electrical (Electrical)	Overall Percentage	50%
		Power Generation and Transmission	10%
		Power Distribution	10%
		Power System Protection	10%
		Power Electronics	10%
		High Voltage Engineering	5%
		Power System Analysis	5%
04	Management Trainee Instrumentation (Instrument/ Electronic)	Overall Percentage	50%
		Analogue Electronics	10%
		Digital Logic Design	10%
		Power/Industrial Electronics	10%
		Control Systems	10%
		AC and DC Machines	5%
		Telecommunication	5%
05	Management Trainee Technical Services Laboratory (Chemist)	Overall Percentages	50%
		Basics of Analytical Chemistry	05%
		Spectrometry and Spectrophotometry	05%
		Derivative Spectroscopy	05%
		Atomic Spectroscopy	05%

		Thermal Methods of Analyses	05%
		Inorganic Chemistry	10%
		Chemistry of Non-aqueous Solvents	05%
		Industrial Chemistry	10%