

Syllabus for Technical / Professional Knowledge – Maintenance Technician – Mechanical	
Topics	Sub-Topics
Production Equipments	Pump, Compressor and Fans
	Boilers, Heaters and Heat Exchangers
	Coolers and Condensers
	Pipe Lines, Pressure Vessels
	Soot Blowers, Valves and Tanks
	Steam Turbines, Mixers, Agitators, Gas Turbines
	Filters, Level Gauges, Lifting Tools and Structural Members,
Mechanical Assembly	Assembly, Dismantling
	Alignment, Bolt Torqueing and Greasing
	Trip Check and Balancing
	Measurements
	Machining, Drilling and Lapping
	Gas Cutting, Welding and Brazing
	Painting, Stenciling and Insulation Works
Protecting Coating	
Trouble shooting and repair works Equipments	Hydraulic Equipment
	Pneumatic Equipment
	Electrical Equipment
Civil Works	Drilling & Grouting
	Piling & Shuttering
	PCC, RCC Works
	Excavation
	Plumbing and Carpentry Jobs
	Laying underground Piping
Operate Mechanical Tools	Spanners, Torque Wrench, Chain Blocks
	EOT Crane, Test Pump, Test Bench, Power Tools
	Mechanical instruments
Maintenance and Service	Read and Interpret Equipment Manual and Work Order
	Diagnose, Repair and Replace
	Preventive Maintenance
	Safety Regulation