

Electrical Engineering & Maintenance

Section (A): Generation

<i>Power Generation Systems</i>	P/E/T	<i>ME2</i>
<i>Plant Electrical Equipment; Designing and Sizing</i>	P/E/T	<i>ME6</i>
<i>MV and LV Switchgear & Distribution</i>	P/E/T	<i>ME20</i>
<i>Power House Protection and Control</i>	P/E/T	<i>ME17</i>

Section (B): Motors

<i>Electrical Motor Control, Operation, Protection, Testing and Maintenance</i>	P/E/T	<i>ME3</i>
<i>Motor Control and Protection Through PLC</i>	P/E/T	<i>ME13</i>
<i>Electrical Submersible Pumps (ESP) Installation and Maintenance</i>	E	<i>ME10</i>
<i>Variable Speed Drives (VSD) for Industrial Control</i>	P/E/T	<i>ME15</i>

Section (C): Cables

<i>Power Cables; Selection, Testing, Fault Locations and Cables Welding</i>	P/E/T	<i>ME8</i>
<i>Overhead Transmission Lines Problems and Maintenance</i>	P/E/T	<i>ME18</i>

Section (D): Power Plants		
<i>Uninterruptible Power Supply (UPS) and Batteries Maintenance</i>	P/E/T	ME12
<i>Power Electronics Applications in Power System</i>	P/E	ME19
<i>Electrical Documentations and Drawings Standardization</i>	P/E/T	ME21
<i>Modern Power Management System</i>	P/E	ME22
<i>Fundamentals of Distribution Systems</i>	P/E/T	ME16
<i>Distribution Network Design and Planning</i>	P/E/T	ME23
Section (E): Transformers and ESP		
<i>Electrical Power Transformers; Testing, Maintenance and Protection</i>	P/E/T	ME11
Section (F): Protection		
<i>Advanced Electrical Protection Relays and Systems</i>	P/E/T	ME5
<i>Electrical Installation in Hazardous Areas</i>	P/E/T	ME7
<i>Electric Earthing & Lightning Electrical Safety System</i>	P/E/T	ME9
<i>Fault Analysis in Electrical Networks</i>	P/E/T	ME24



Mechanical Engineering & Maintenance

Section (A): Maintenance Management

<i>Root Cause Failure Analysis</i>	E	MM2
<i>Global Maintenance (Maintenance Management Skills and Techniques)</i>	E	MM5
<i>Reliability Centered Maintenance (RCM)</i>	E	MM45
<i>Preventive & Predictive Maintenance & Implementation</i>	E	MM46
<i>Shutdown and Turnaround Planning</i>	E	MM47

Section (B): Mechanical Maintenance

<i>Bearing Identification, Fitting and Servicing</i>	E/T	MM1
<i>Mechanical Shaft to Shaft Alignment</i>	E/T/P	MM3
<i>Basics of Rotating Equipment Operation & Maintenance</i>	T	MM4
<i>"Advanced" Pumps; Centrifugal & Positive Displacement</i>	E	MM48
<i>Gas Turbine & Turbo Expander; Operation, Maintenance & Troubleshooting</i>	E/T	MM9
<i>Gas Compressors Operation, Maintenance & Troubleshooting</i>	E/T	MM10
<i>Vibration Analysis (Measurement and Protection)</i>	E/T/P	MM17
<i>Heat Exchanger Design, Construction , Maintenance and Applications</i>	E	MM21
<i>Fundamentals of Lubrication and Applications</i>	E/T	MM37
<i>Hydraulic Circuits Theory</i>	E/T	MM36
<i>Mechanical Seals and Dry Gas Seals Technology</i>	E/T	MM38
<i>Valves Technology "Manual and Control Valves"</i>	E/T	MM49
<i>Reciprocating Engines; Diesel & Gas</i>	E/T	MM51
<i>العدد و القياسات فى الصيانة الميكانيكية</i>	E/T	MM52

