

MATHIOYA TECHNICAL & VOCATIONAL COLLEGE

ELECTRICAL AND ELECTRONIC ENGINEERING DEPARTMENT

ELECTRICAL FULL COURSE	ELECTRICAL SHORT COURSE																																													
TOOLS & EQUIPMENT	ELECTRICAL WIREMAN	SOLAR INSTALLATION TECHNOLOGY																																												
<ol style="list-style-type: none"> 1. Overall Dust-Coat — Navy Blue 2. Scientific Calculator 3. A Set of at least 4 Screwdrivers (different sizes - star and flat) 4. Phase Tester 5. Digital Multi-meter 6. Combination plier 7. Spirit Level 300mm 8. Tape measurement (3m) 9. Safety Boots (Leather) 10. Cross-Pein Hammer 11. 4 figure Mathematics Table 	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">COURSES</th> <th style="width: 65%;">ELECTRICAL WIREMAN</th> <th style="width: 20%;"></th> </tr> <tr> <th>TOPICS</th> <td></td> <td></td> </tr> </thead> <tbody> <tr><td>1.</td><td>Work Safety and procedure</td><td></td></tr> <tr><td>2.</td><td>Tools and equipment</td><td></td></tr> <tr><td>3.</td><td>Final sub circuit</td><td></td></tr> <tr><td>4.</td><td>Wiring system</td><td></td></tr> <tr><td>5.</td><td>Earthing and protective device</td><td></td></tr> <tr><td>6.</td><td>Testing and inspection</td><td></td></tr> <tr><td>7.</td><td>Dc machine</td><td></td></tr> <tr><td>8.</td><td>Ac machine</td><td></td></tr> <tr><td>9.</td><td>Bell and alarm final sub circuit</td><td></td></tr> </tbody> </table>	COURSES	ELECTRICAL WIREMAN		TOPICS			1.	Work Safety and procedure		2.	Tools and equipment		3.	Final sub circuit		4.	Wiring system		5.	Earthing and protective device		6.	Testing and inspection		7.	Dc machine		8.	Ac machine		9.	Bell and alarm final sub circuit		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 100%;">SOLAR INSTALLATION TECHNOLOGY</th> </tr> </thead> <tbody> <tr><td>Solar system fundamentals</td></tr> <tr><td>Photovoltaic system</td></tr> <tr><td>Solar system accessories</td></tr> <tr><td>Wiring systems</td></tr> <tr><td>Maintenance and servicing</td></tr> <tr><td>Solar system sizing</td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> </tbody> </table>	SOLAR INSTALLATION TECHNOLOGY	Solar system fundamentals	Photovoltaic system	Solar system accessories	Wiring systems	Maintenance and servicing	Solar system sizing				
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TECHNICAL DRAWING ITEMS	SHORT COURSE TOOLS & EQUIPMENT																																													
<ol style="list-style-type: none"> 1. Drawing Board 2. T-Square (600mm Long) 3. Set Square (60 & 45) HELIX OR OMEGA 4. Drawing Set helix 5. 1 Roll of Masking Tape 6. Drawing papers, 1 Ream of drawing book, 7. Pencils (HB, 2H,) 8. A4 200 pages' exercise books (Depends on no. of units) 	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">COURSES</th> <th style="width: 65%;">ELECTRICAL WIREMAN</th> <th style="width: 20%;"></th> </tr> <tr> <th>TOPICS</th> <td></td> <td></td> </tr> </thead> <tbody> <tr><td>1.</td><td>Dust coat</td><td></td></tr> <tr><td>2.</td><td>Combination plier</td><td></td></tr> <tr><td>3.</td><td>Phase tester</td><td></td></tr> <tr><td>4.</td><td>Ball pein hammer</td><td></td></tr> <tr><td>5.</td><td>Bending spring</td><td></td></tr> <tr><td>6.</td><td>Digital multimeter</td><td></td></tr> <tr><td>7.</td><td>Star screw driver</td><td></td></tr> <tr><td>8.</td><td>Flat screwdriver</td><td></td></tr> </tbody> </table>	COURSES	ELECTRICAL WIREMAN		TOPICS			1.	Dust coat		2.	Combination plier		3.	Phase tester		4.	Ball pein hammer		5.	Bending spring		6.	Digital multimeter		7.	Star screw driver		8.	Flat screwdriver																
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