

| | | |
|---------|--|------|
| 5.2.1 | Generation of Electricity | 5.3 |
| 5.2.2 | Transmission of Electricity | 5.3 |
| 5.2.3 | Distribution of Electricity | 5.4 |
| 5.2.4 | Additional Considerations | 5.4 |
| 5.3 | Manufacturing and Automation | 5.5 |
| 5.3.1 | Types of Manufacturing Automation | 5.5 |
| 5.3.2 | Types of Manufacturing Automation | 5.5 |
| 5.3.2.1 | Fixed Automation | 5.6 |
| 5.3.2.2 | Programmable Automation | 5.6 |
| 5.3.2.3 | Flexible Automation | 5.6 |
| 5.4 | Hybrid Vehicles and Automated Guided Vehicle | 5.7 |
| 5.4.1 | Hybrid Electric Vehicle (HEV) | 5.7 |
| 5.4.1.1 | Key Features of Hybrid Vehicles | 5.8 |
| 5.4.2 | Automated Guided Vehicles (AGVs) | 5.8 |
| 5.5 | Industrial Robots and its Components | 5.9 |
| 5.6 | 3D Printing Machine | 5.11 |
| 5.7 | CNC Machine Tool | 5.14 |
| 5.8 | Mechatronic System | 5.16 |
| | Short Questions and Answers | 5.18 |
| | Review Questions | 5.21 |

Index

I.1 - I.3