

Table of Contents

Unit	Title	Page
1.	Theory of Magnetism.....	1
2.	Power Stations	14
3.	Electrical Insulation	30
4.	The Distribution System	44
5.	Protective Devices	62
6.	Electricity and Electronics.....	76
7.	Solid-State Semiconductor Devices.....	89
8.	Diodes and Diode Circuits	103
9.	Transistor and Transistor Circuits	117
10.	Photodetectors	134
11.	Introduction to Control Systems Analysis	152
12.	Magnetic Line Voltage Starters	166
13.	Types of Feedback Control Systems.....	178
14.	Basic Design Principles of Control Systems.....	189
15.	Instrument Classification and Characteristics	200
16.	Communications Systems	218
17.	Modulation and Demodulation	230
18.	Television Broadcasting.....	240
19.	Transmission Lines	253
20.	Optical Communications Systems.....	268
	References	282