

Contents

<i>Preface</i>	v
1. Transport Phenomena in Semiconductors	1
2. Junction Diode Characteristics	17
3. Diode-Circuits	42
4. Transistor Characteristics	86
5. Transistor at Low Frequencies	121
6. Transistor Biasing and Thermal Stabilization	179
7. Field-Effect Transistors	196
8. The Transistor at High Frequencies	251
9. Multistage Amplifiers	272
10. Feedback Amplifiers	287
11. Stability and Oscillators	309
12. Integrated Circuits as Analog System Building Blocks	324
13. Power Circuit and Systems	350
IES Examination Papers with Solutions	365