

**Examrace**

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## Admission Tests: Books for Electrical Engineering

### Most Important Books

1. Principles of Electronics by V.K. Mehta - [Buy from Amazon.in](#)
2. Radio Engineering by G.K. Mithal - [Buy from Amazon.in](#)
3. Circuit Analysis by Gupta - [Buy from Amazon.in](#)
4. Electrical Technology by Thereja - [Buy from Amazon.in](#)
5. Electrical Power by Star
6. Physics of Semiconductor Devices by Sze - [Buy from Amazon.in](#)
7. Automatic Control System by Kuo - [Buy from Amazon.in](#)
8. Elements of Engineering Electromagnetics by Rao - [Buy from Amazon.in](#)
9. Electromagnetic Waves and Radiating System by Jordan & Balmain - [Buy from Amazon.in](#)
10. Modern Central Engineering by Ogata
11. Electromagnetic Waves and Field by R N Singh
12. Control Systems Engineering by Nagrath Gopal - [Buy from Amazon.in](#)
13. Semi Conductor by Nagchoudhary
14. Integrated Circuits by D. Roy Choudhary - [Buy from Amazon.in](#)
15. Network Analysis by Valkenburg
16. Basic Current Analysis by Murthy
17. Topics in Communication Theory by David Middleton - [Buy from Amazon.in](#)

### Other Important Books

1. Network Analysis by Van Valkenburg - [Buy from Amazon.in](#)
2. Electromagnetic by Willaim H. Hayt - [Buy from Amazon.in](#)
3. Electrical Machinery by PS Bimbhra - [Buy from Amazon.in](#)
4. Electrical Machines by Nagrath & Kothari - [Buy from Amazon.in](#)
5. Power System Engineering by Nagrath & Kothari - [Buy from Amazon.in](#)

6. Electric Power Systems by CL Wadhwa - [Buy from Amazon.in](#)
7. Automatic Control System by Benjamin C. Kuo - [Buy from Amazon.in](#)
8. Control System Engg. by Nagrath & Gopal
9. Electrical & Electronic Measurement and Instrumentation by AK Sawhney - [Buy from Amazon.in](#)
10. Integrated Electronics by Milman & Halkias; Millma & Grobel - [Buy from Amazon.in](#)
11. Digital Logic & Computer Design by Morris Mano - [Buy from Amazon.in](#)
12. Power Electronics by PS Bimbhra - [Buy from Amazon.in](#)

## **Paper-I**

### **Electrical Circuits**

1. Electrical Circuits 1&2 by Nasser, Schaum Series
2. Electrical Circuits by Chakraborty
3. Network Analysis by Van Vulkenberg - [Buy from Amazon.in](#)
4. Electrical Circuits by Hast & Kimberly, TMH Series.

### **Electromagnetic Theory**

1. Field Theory by K A Gangadhar - [Buy from Amazon.in](#)
2. Electromagnetic Waves by Jordan & Balmian - [Buy from Amazon.in](#)
3. Electromagnetic Theory by Saddique, Oxford Publications

### **Microwaves and Antennas**

1. Microwaves by Kulkarni - [Buy from Amazon.in](#)
2. Microwaves by Liu, PHI Publications
3. Electromagnetic Theory by Saddique, Oxford Publications.
4. Electromagnetic Waves by Jordan & Balmian. - [Buy from Amazon.in](#)

### **Analog Communication**

1. Communication Systems, 2nd Edition, by Simon Haykins - [Buy from Amazon.in](#)
2. Analog and Digital Communications by K. Sam Shanmugam - [Buy from Amazon.in](#)
3. Analog and Digital Communications, Schaum Series - [Buy from Amazon.in](#)
4. Communication Systems by Kennedy. - [Buy from Amazon.in](#)

## Analog Electronics

1. Micro electronics by Milliman and Grabel.
2. Integrated Electronics by Milliman and Halkis - [Buy from Amazon.in](#)
3. Pulse, Digital & Switching Waveforms by Taub abd Schilling - [Buy from Amazon.in](#)
4. Op-amps by Roy Chowdhury
5. Op-Amps by Gayakwad - [Buy from Amazon.in](#)

## Digital Electronics

1. Digital Design by Morris Mano. - [Buy from Amazon.in](#)
2. Switching theory and Logical Design by Kohavi.
3. Digital Electronics by R P Jain. - [Buy from Amazon.in](#)

## Electrical Machines

1. Electrical Machines by P.S. Bhimbra - [Buy from Amazon.in](#)
2. Generalised theory of Machines by P.S. Bhimbra
3. Electrical Machines by Nagrath and Kothari - [Buy from Amazon.in](#)

## Power Electronics and Electrical Drives

1. Power Elctronics by P.S.Bhimbra - [Buy from Amazon.in](#)
2. Power Electronics by Rashid - [Buy from Amazon.in](#)
3. Electrical Drives by G.K. Dubey

## Signals and Systems

1. Signals and Systems by Oppenheim & Schaber - [Buy from Amazon.in](#)
2. Digital Signal Processing by Proakis, Maholanakis
3. Digital Signal Processing by oppenheim & Willsky
4. Signals and Systems, Schaum Series. - [Buy from Amazon.in](#)

## Paper-II

### Control Systems

1. Modern Control Systems by Nagrath and Gopal
2. Control Systems by B C Kuo. - [Buy from Amazon.in](#)

## Electrical Measurements

1. Electrical Measurements and Measuring Instruments by A K Sawhney.
2. Electronic Measurements by Cooper & etc., PHI Publications. - [Buy from Amazon.in](#)

## Power System Operation & Control

1. Power System Analysis by C L Wadhwa
2. Power Systems by Nagrath and Kothari - [Buy from Amazon.in](#)
3. Power Systems by Ashfaq Hussein
4. Modern Power System Analysis by Nagrath - [Buy from Amazon.in](#)
5. Power Systems by Sunil S Rao (for topics like RTU, SCADA, FACTS etc.) - [Buy from Amazon.in](#)

## Power System Protection

1. Power System Protection by Badri Ram and Vishwa Karma, TMH Publications - [Buy from Amazon.in](#)
2. Power Systems by C L Wadhwa - [Buy from Amazon.in](#)
3. Power Systems by Nagrath and Kothari - [Buy from Amazon.in](#)

## Non Conventional Energy Resources

1. Non Conventional Energy resources by G.D.Rai, Khanna Publicaions - [Buy from Amazon.in](#)

## IC Fabrication and Technology

1. Microelectronics by Milliman and Grabel - [Buy from Amazon.in](#)
2. Linear Integrated Circuits by Roy Chowdhury.

## Radar, Satellite and TV

1. Microwaves by Kulkarni. - [Buy from Amazon.in](#)
2. Communication Systems by Kennedy. - [Buy from Amazon.in](#)
3. Satellite Engineering by John Wiley Publications.

## Microprocessors

1. 8085 Microprocessor by Ramesh S Gaonkar - [Buy from Amazon.in](#)
2. 8086 Microprocessor by Hall, TMH Publications.

## Fibre Optic Communications by Senior

1. Fibre Optic Communications by Senior, PHI Publications - [Buy from Amazon.in](#)

## Digital Communications

1. Analog & Digital Communications by K Sam Sanmugam
2. Analog & Digital Communications by Schum Series - [Buy from Amazon.in](#)
3. Digital Communications by Simon Haykin - [Buy from Amazon.in](#)

## Electrical Engineering Materials

1. Electrical Engineering Materials by Seth & Gupta
2. Electrical Engineering Materials by Dekker - [Buy from Amazon.in](#)