

# Network Analysis and Synthesis

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**ISBN 13:** 978-81-90645-13-3

**ISBN 10:** 81-90645-13-7

**E-ISBN 13:** 978-81-90645-13-3

Edition: 1

**Pages:** 630

**Type of book :** Paperback

Weight (g): 692.00

**Year:** 2013

**Language:** English

**Publisher:** Khanna Publishing House

**M.R.P:** Rs 225.00

Categories: Electrical, Electronics &

**Communication Engineering** 

**Condition Type:** New

**Country Origin:** India

## **Product Description**

This book is intended to serve as a textbook for undergraduate students of electrical, electronics, computer science, instrumentation, control & communication engineering. Subject matter in each chapter develops systematically from inception basic concepts, principles and techniques clearly explained. Definitions, statement of laws, network theorems dealt with very clearly. Written in a very lucid manner. Large number of carefully selected worked examples in sufficient details step-by-step procedures given for solving problems, Most simplified methods used. Ideally suited for self study.



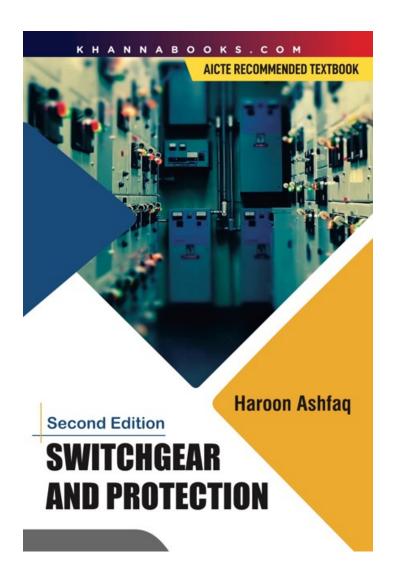
#### **Table of Contents**

Chapter-1: Network Graph Theory. Chapter-2: Network Theorems. Chapter-3: Network Functions. Chapter-4: Two port Networks. Chapter-5: Passive Network Synthesis. Chapter-6: Duality. Chapter-7: Filters. Chapter-8: Bode Plot.

#### **Authors**

"Mr. Ashfaq Husain", formerly Reader in Electrical Engineering, University Polytechnic, Faculty of Engineering and Technology, Aligarh Muslim University, Aligarh, has teaching experience of more than forty years and is the author of various successful textbooks. Haroon Ashfaq is Assistant Professor, Department of Electrical Engineering, Jamia Millia Islamia, New Delhi. He is did his B.Tech in Electrical Engineering, M.Tech in Power Systems & Drives and has a doctorate in Electric Drives from Aligarh Muslim University, Aligarh. He has co-authored successful books which includes Network Analysis & Synthesis. He also has several international and national research publications to his credit.





# **Switchgear and Protection**

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**ISBN 13:** 978-93-80016-07-8

**ISBN 10:** 93-80016-07-7

**E-ISBN 13:** 978-93-80016-07-8

**Edition:** Second

**Pages:** 244

**Type of book :** Paperback

Weight (g): 291.00

**Year:** 2024

**Language :** English

**Publisher:** Khanna Publishing House

**M.R.P:** Rs 399.00

Electrical, Electronics &

Categories: Communication Engineering,

Electrical, Electronics &

Communication Engineering

**Condition Type:** New

**Country Origin:** India

## **Product Description**

This book is intended to serve as a textbook for course 'switchgear and protection' for B. Tech/B.E. Degree students of Electrical Engineering. It will also serve as a text reference for the students of diploma in electrical engineering. The common topics included in the syllabi of almost all engineering institutions in India are covered in this book.



### **Table of Contents**

Chapter 1: Protection Systems. Chapter 2: Electromagnetic & Electro-Thermal Relays. Chapter 3: Static Relays.

Chapter 4: Over Current Protection. Chapter 5: Distance Protection. Chapter 6: Transformer Protection. Chapter 7: Generator and Motor Protection. Chapter 8: Transmission Line and Busbar Protection. Chapter 9: System Neutral Grounding. Chapter 10: Over voltage Protection. Chapter 11: Circuit Breaking. Chapter 12: Circuit Breakers.

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