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Chapter 3: Diode Applications MCQs  
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Chapter 5: Field Effect Transistors MCQs  
Chapter 6: Oscillators MCQs  
Chapter 7: Programmable Analog Arrays MCQs  
Chapter 8: Semiconductor Basics MCQs  
Chapter 9: Special Purpose Diodes MCQs  
Chapter 10: Transistor Bias Circuits MCQs  
Chapter 11: Types and Characteristics of Diodes MCQs  
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*Basic Electrical and Electronics Engineering*

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as per the syllabus prescribed by the Board of Technical Education, Karnataka. This book is divided into ten chapters: Chapter 1 - Electric Current and DC Circuits Chapter 2 - Electrostatics Chapter 3 - Electromagnetic Induction Chapter 4 - AC Fundamentals Chapter 5 - Transformers Chapter 6 - Protection of Electric and Electronic Circuits Chapter 7 - Motors Chapter 8 - Electronic Components Chapter 9 - Basics of Electronics Chapter 10 - Op-amp The text provides detailed explanations and uses numerous easy-to-follow examples accompanied by diagrams and step-by-step solutions. Illustrative problems are presented in terms

of commonly used voltages and current ratings. To enhance the utility of the book, important points and review questions (objective and descriptive type) have been included at the end of each chapter. Model question papers have been provided to help students prepare better for the semester examinations. It is hoped that the book will be of immense use to teachers and students of Polytechnics. Suggestions for improvement in the future editions of this book will be appreciated. I wish to express my gratitude to MEI Polytechnic, Bangalore for providing me an opportunity to bring out this text book. I am grateful to Sri. Nitin S. Shah, M/s

Sapna Book House, Bangalore for publishing this book. I am thankful to M/s Datalink, Bangalore for meticulous processing of the manuscript of this book.

**Electrical Circuit Analysis Multiple Choice Questions and Answers (MCQs)**

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Exams: Assistant Engineer /Junior Engineer, SSC-JE, RRB-JE, State Electricity Boards (APPGC, ASEB, BSPHCL, CSPGCL, HPGC, JSEB, KPCL, KSEB, MPPGCL, MSEB, RSEB, UPRVUNL, WBPDCL, OPGC, TNEB, TPGC, PSPCL, JTO, PSUs : NPCIL, PGCIL, NHPC, PSOC, NLC, DVC NTPC, REC, BEST, KPTCL, TNEB and Metro Exams Like : DMRC, LMRC, NMRC, JMRC, BMRC, HMLR, KMRR, MMRR, PMRR and Admission/Recruitment Test and other Technical Exams in Electrical Engineering. *Electronics and Communication Engineering Solved Papers GATE 2022* Bushra Arshad For close to 20 years, Basic Electronics: Devices and Circuits has provided

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covalent bonds, diode, diode models, n-type and p-type semiconductors, testing diode, and voltage-current characteristics of diode. "Special Purpose Diodes MCQs" pdf covers quiz questions about optical diode, other type of diode, other types of diodes, varactor diode, Zener diode, and Zener diode application. "Transistor Bias Circuits MCQs" pdf covers quiz questions about DC operating point, other bias methods, and voltage-divider bias.

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Bushra Arshad  
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foundation for higher level courses. Rich pool of problems and appendices enhance the utility of the book and make it a lasting resource for students and instructors of all branches of engineering.

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