

## TYPICAL QUESTIONS & ANSWERS

### PART - I

#### OBJECTIVE TYPE QUESTIONS

Each Question carries 2 marks.

Choose correct or the best alternative in the following:

- Q.1 The "Superposition theorem" is essentially based on the concept of  
(A) duality. (B) linearity.  
(C) reciprocity. (D) non-linearity.

Ans: B

- Q.2 Cells are connected in parallel in order to  
(A) increase the voltage available. (B) reduce cost of wiring.  
(C) increase the current available. (D) reduce the time required to fully charge them after use.

Ans: C

- Q.3 The power factor of a purely resistive circuit is  
(A) zero. (B) unity.  
(C) lagging. (D) leading.

Ans: B

- Q.4 The power taken by a 3-phase load is given by the expression  
(A)  $3 V_L I_L \cos \phi$ . (B)  $\sqrt{3} V_L I_L \cos \phi$ .  
(C)  $3 V_L I_L \sin \phi$ . (D)  $\sqrt{3} V_L I_L \sin \phi$ .

Ans: B

- Q.5 Which of the following generating stations has the minimum running cost?  
(A) hydro-electric station. (B) nuclear power station.  
(C) thermal power station. (D) diesel power plant.

Ans: A

- Q.6 Which of the following motors has a high starting torque?  
(A) ac series motor. (B) dc series motor.  
(C) induction motor. (D) synchronous motor.

# Objective Questions Of Basic Electrical Engineering

**General Electric Company**



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*THEORY AND PROBLEMS OF BASIC ELECTRICAL ENGINEERING* D. P. KOTHARI, I. J. NAGRATH, 1998-01-01 For the first time in India we have a comprehensive introductory book on Basic Electrical Engineering that caters to undergraduate students of all branches of engineering and to all those who are appearing in competitive examinations such as AMIE GATE and graduate IETE The book provides a lucid yet exhaustive exposition of the fundamental concepts techniques and devices in basic electrical engineering through a series of carefully crafted solved examples multiple choice objective type questions and review questions The book covers in general three major areas electric circuit theory electric machines and measurement and instrumentation systems *Basic Electrical Engineering* Mehta V.K. & Mehta Rohit, 2008 For close to 30 years Basic Electrical Engineering has been the go to text for students of Electrical Engineering Emphasis on concepts and clear mathematical derivations simple language coupled with systematic development of the subject aided by illustrations makes this text a fundamental read on the subject Divided into 17 chapters the book covers all the major topics such as DC Circuits Units of Work Power and Energy Magnetic Circuits fundamentals of AC Circuits and Electrical Instruments and Electrical Measurements in a straightforward manner for students to understand

**THEORY AND PROBLEMS OF BASIC ELECTRICAL ENGINEERING, Second Edition** KOTHARI, D. P., NAGRATH, I. J., 2016-08-19 This comprehensive book with a blend of theory and solved problems on Basic Electrical Engineering has been updated and upgraded in the Second Edition as per the current needs to cater undergraduate students of all branches of engineering and to all those who are appearing in competitive examinations such as AMIE GATE and graduate IETE The text provides a lucid yet exhaustive exposition of the fundamental concepts techniques and devices in basic electrical engineering through a series of carefully crafted solved examples multiple choice objective type questions and review questions The book covers in general three major areas electric circuit theory electric machines and measurement and instrumentation systems

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*The U.S. Naval Institute on the U.S. Naval Academy: The Challenges* Thomas J Cutler, 2016-06-15 The U S Naval Institute Chronicles series focuses on the relevance of history by exploring topics like significant battles personalities and service components Tapping into the U S Naval Institute s robust archives these carefully selected volumes help readers understand nuanced subjects by providing unique perspectives and some of the best contributions that have helped shape naval thinking over the many decades since the Institute s founding in 1873 Since it began in 1845 the U S Naval Academy has faced many challenges as it continually strives to find the right figurative balance between Athens and Sparta This edition of Chronicles recalls many of those

challenges as they appeared in Naval Institute publications for most of the Academy's existence **United States Naval Institute Proceedings**, 1948 **Borderless Education as a Challenge in the 5.0 Society** Ade Gafar Abdullah, Vina Adriany, Cep Ubad Abdullah, 2020-10-21 These proceedings contain a selection of papers presented at the 3rd International Conference on Educational Sciences organized on 16 November 2019 It covers themes such as philosophy and policy of teacher education curriculum teaching and learning approaches learner's characteristics in the digital era global citizenship education vocational education teacher education qualification framework management supervision and assessment lifelong learning for all diversity in education equality of educational opportunity vocational and entrepreneurship education and education in the industry 4.0 era *5000 MCQ: Electrical Engineering For UPSC GATE/PSUs* R P Meena, 5000 MCQ Electrical Engineering For UPSC GATE PSUs The first Edition of Electrical Engineering Contains nearly 5000 MCQs which focuses in depth understanding of subjects at basic and Advanced level which has been segregated topic wise to disseminate all kind of exposure to Students in terms of quick learning and deep preparation The topic wise segregation has been done to Align with contemporary competitive examination Pattern Attempt has been made to bring out all kind of probable competitive questions for the aspirants preparing for UPSC GATE PSUs and other exams The content of this book ensures threshold Level of learning and wide range of practice questions which is very much essential to boost the exam time confidence level and ultimately to succeed in all prestigious engineer's examinations It has been ensured to have broad coverage of Subjects at chapter level While preparing this book utmost care has been taken to cover all the chapters and variety of concepts which may be asked in the exams The solutions and answers provided are upto the closest possible accuracy The full efforts have been made by our team to provide error free solutions and explanations Dear Electrical Engineering students we provide Basic multiple choice questions and answers with explanation civil objective type questions mcqs download here These are very important Helpful for campus placement test semester exams job interviews and competitive exams like UPSC GATE IES and PSU NET SET JRF UPSC and diploma Especially we are prepare for the Electrical Engineering freshers and experienced candidates these model questions are asked in the online technical test Quiz and interview of many companies These are also very important for your lab viva in university exams like RTU JNTU Andhra OU Anna University Pune VTU UPTU CUSAT etc 5000 MCQ Electrical Engineering For UPSC GATE PSUs electricalengineering EEMCQs 5000 MCQs UPSCIES EEMCQs GATEEEMCQs PSUsMCQ ElectricalTest QuestionBank Questionanswer Electricaltopicwisemcq The Electrical Engineer, 1898 *The Electrical Journal*, 1909 *IETE Technical Review*, 1992 **Electrical Engineering**, 1914 **Electrical Engineer**, 1895 Electrical Engineering for Electric Light and Power Artisans and Students Sir William Slingo, Arthur Brooker, 1908 **Standard Catalog for Public Libraries**, 1958 **Telegraph and Telephone Age**, 1910 General Electric Review General Electric Company, 1930 **Standard Catalog for Public Libraries** H.W. Wilson Company, 1959 *Publisher's Monthly*, 2005 **Persistent**

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## **Table of Contents Objective Questions Of Basic Electrical Engineering**

1. Understanding the eBook Objective Questions Of Basic Electrical Engineering
  - The Rise of Digital Reading Objective Questions Of Basic Electrical Engineering
  - Advantages of eBooks Over Traditional Books
2. Identifying Objective Questions Of Basic Electrical Engineering
  - Exploring Different Genres
  - Considering Fiction vs. Non-Fiction
  - Determining Your Reading Goals
3. Choosing the Right eBook Platform
  - Popular eBook Platforms
  - Features to Look for in an Objective Questions Of Basic Electrical Engineering
  - User-Friendly Interface
4. Exploring eBook Recommendations from Objective Questions Of Basic Electrical Engineering
  - Personalized Recommendations
  - Objective Questions Of Basic Electrical Engineering User Reviews and Ratings

## Objective Questions Of Basic Electrical Engineering

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- Objective Questions Of Basic Electrical Engineering and Bestseller Lists
- 5. Accessing Objective Questions Of Basic Electrical Engineering Free and Paid eBooks
  - Objective Questions Of Basic Electrical Engineering Public Domain eBooks
  - Objective Questions Of Basic Electrical Engineering eBook Subscription Services
  - Objective Questions Of Basic Electrical Engineering Budget-Friendly Options
- 6. Navigating Objective Questions Of Basic Electrical Engineering eBook Formats
  - ePub, PDF, MOBI, and More
  - Objective Questions Of Basic Electrical Engineering Compatibility with Devices
  - Objective Questions Of Basic Electrical Engineering Enhanced eBook Features
- 7. Enhancing Your Reading Experience
  - Adjustable Fonts and Text Sizes of Objective Questions Of Basic Electrical Engineering
  - Highlighting and Note-Taking Objective Questions Of Basic Electrical Engineering
  - Interactive Elements Objective Questions Of Basic Electrical Engineering
- 8. Staying Engaged with Objective Questions Of Basic Electrical Engineering
  - Joining Online Reading Communities
  - Participating in Virtual Book Clubs
  - Following Authors and Publishers Objective Questions Of Basic Electrical Engineering
- 9. Balancing eBooks and Physical Books Objective Questions Of Basic Electrical Engineering
  - Benefits of a Digital Library
  - Creating a Diverse Reading Collection Objective Questions Of Basic Electrical Engineering
- 10. Overcoming Reading Challenges
  - Dealing with Digital Eye Strain
  - Minimizing Distractions
  - Managing Screen Time
- 11. Cultivating a Reading Routine Objective Questions Of Basic Electrical Engineering
  - Setting Reading Goals Objective Questions Of Basic Electrical Engineering
  - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Objective Questions Of Basic Electrical Engineering
  - Fact-Checking eBook Content of Objective Questions Of Basic Electrical Engineering
  - Distinguishing Credible Sources

13. Promoting Lifelong Learning
  - Utilizing eBooks for Skill Development
  - Exploring Educational eBooks
14. Embracing eBook Trends
  - Integration of Multimedia Elements
  - Interactive and Gamified eBooks

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