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Question Paper Code : 18159

M.E. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2016.

Elective

Applied Electronics

VL 7013 — VLSI FOR WIRELESS COMMUNICATION

(Common to M.E. Communication Systems/M.E. Communication and Networking
and M.E VLSI Design)

(Regulations 2013)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. How is noise Figure estimated using Frii's formula for a heterodyne receiver front end?
2. List out all the matching requirements of power amplifiers with the antenna for RF transmitter.
3. Define single side band Noise Figure for a mixer.
4. Write the conversion gain for the general V_h switching case for an unbalanced switching mixer.
5. How is the resolution of a divider circuit estimated when it has both a fixed-counter and programmable counter?
6. What is non-saturated delay cell in a ring oscillator?
7. What is meant by resolution of ADC?
8. What are the operating modes of adaptive equalizers?
9. What is multitier wireless architecture?
10. What is Direct Sequence Code Division Multiple Access?

Testing Of Vlsi Previous Question Paper

JG Myers



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Table of Contents Testing Of Vlsi Previous Question Paper

1. Understanding the eBook Testing Of Vlsi Previous Question Paper
 - The Rise of Digital Reading Testing Of Vlsi Previous Question Paper
 - Advantages of eBooks Over Traditional Books
2. Identifying Testing Of Vlsi Previous Question Paper
 - 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 Testing Of Vlsi Previous Question Paper
 - User-Friendly Interface
4. Exploring eBook Recommendations from Testing Of Vlsi Previous Question Paper

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

- Fact-Checking eBook Content of Testing Of Vlsi Previous Question Paper
 - 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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