

[4218] – 6

F. Y. B. Sc. (Computer Science) Examination, October – 2012

ELECTRONICS

(Paper - II)

11312 – Fundamentals of Digital Electronics

(2008 Pattern)

Time : Three Hours

Total Marks : 80

- Note :**
- (i) *All questions are compulsory.*
 - (ii) *Use of non-programmable electronic calculator is allowed*
 - (iii) *Draw neat diagrams wherever necessary.*

Q. 1. Attempt all of the following questions : [8×2=16]

- (a) What is parity? What is the use of parity bit?
- (b) State two de Morgan's theorems.
- (c) Define modulo of a counter. Give number of flipflops required for MOD 5 counter.
- (d) Write the formulae for output frequency and duty cycle for Astable multivibrator using IC 555.
- (e) Write truth table of 1 : 2 demultiplexer.
- (f) Give the full form of EPROM and EEPROM.
- (g) For 4 bit R-2R type DAC with binary input 0101, find output voltage if $V_{ref} = 5V$.
- (h) What is the use of Assembler?

Digital Electronics Question Paper With Answer

Victor M. Corman



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Computer Assisted Learning 1989 M.R. Kibby,2014-05-23 This volume contains a selection of papers from the CAL 89 Symposium and includes papers on a wide range of topics related to computer assisted learning Papers selected include those from the following areas CAL design electronic mail and networks hypermedia learning and cognition multimedia CAL policy and practice and artificial intelligence techniques and knowledge base systems *BPSC Teacher Recruitment Examination (TRE 4.0) Computer Science* M. Kumari & C.B. Kumar, As I compiled this book my primary focus was to bridge the gap between studying hard and studying right Having analyzed the patterns of TRE 1 0 2 0 and 3 0 I realized that many students struggle not because of a lack of knowledge but because of a lack of practice on the NCERT and SCERT patterns that BPSC strictly follows Why this book is your best companion Authenticity Every Practice Set is designed to mirror the actual exam environment Clarity The solutions are not just keys they are detailed explanations to help you grasp the underlying concepts Relevance We have strictly adhered to the BPSC question format ensuring you manage your time effectively during the real test

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Table of Contents Digital Electronics Question Paper With Answer

1. Understanding the eBook Digital Electronics Question Paper With Answer
 - The Rise of Digital Reading Digital Electronics Question Paper With Answer
 - Advantages of eBooks Over Traditional Books
2. Identifying Digital Electronics Question Paper With Answer
 - 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 a Digital Electronics Question Paper With Answer
 - User-Friendly Interface
4. Exploring eBook Recommendations from Digital Electronics Question Paper With Answer
 - Personalized Recommendations
 - Digital Electronics Question Paper With Answer User Reviews and Ratings
 - Digital Electronics Question Paper With Answer and Bestseller Lists
5. Accessing Digital Electronics Question Paper With Answer Free and Paid eBooks
 - Digital Electronics Question Paper With Answer Public Domain eBooks
 - Digital Electronics Question Paper With Answer eBook Subscription Services
 - Digital Electronics Question Paper With Answer Budget-Friendly Options
6. Navigating Digital Electronics Question Paper With Answer eBook Formats
 - ePub, PDF, MOBI, and More
 - Digital Electronics Question Paper With Answer Compatibility with Devices
 - Digital Electronics Question Paper With Answer Enhanced eBook Features
7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Digital Electronics Question Paper With Answer
 - Highlighting and Note-Taking Digital Electronics Question Paper With Answer
 - Interactive Elements Digital Electronics Question Paper With Answer

8. Staying Engaged with Digital Electronics Question Paper With Answer
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Digital Electronics Question Paper With Answer
9. Balancing eBooks and Physical Books Digital Electronics Question Paper With Answer
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Digital Electronics Question Paper With Answer
10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
11. Cultivating a Reading Routine Digital Electronics Question Paper With Answer
 - Setting Reading Goals Digital Electronics Question Paper With Answer
 - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Digital Electronics Question Paper With Answer
 - Fact-Checking eBook Content of Digital Electronics Question Paper With Answer
 - 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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