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# Bca New Syllabus Makaut

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MAKAUT BCA 4 YEARS NEW SYLLABUS (DRAFT) UPDATE | SESSION 2023-24 MAKAUT CET 2024 || BCA || BBA || M.Sc || Exam Pattern || Syllabus || Best Colleges bca 1st semester syllabus ( makaut ) BCA syllabus of MAKAUT ☐BCA Syllabus MAKAUT CET 2024: A to Z Detailed Explanation for BCA under MAKAUT CET 2024☐ ☐Best Books BCA 1st Year Students! BCA 1st, 2nd Semester Books, BCA Syllabus! #BCA #BCA2023 #viral ☐☐☐☐ Batch 2024: BCA 1st SEM Tuition - English \u0026 Communication DEMO Class | YOUTH CAREER HUB Private Tuition: DEMO CLASS | MAKAUT BCA [ 1st Semester ] 2024-2025 B.Tech Makaut 1st Semester Syllabus Explained☐(For All Branches)☐ #makaut #1st\_year\_syllabus Biology | Lecture-1 Syllabus overview #biology #makaut MAKAUT Even Semester Questions from Which Part of Syllabus?☐☐(TOP SECRET) #makaut BCA Books Notes Study Material All Semester Download PDF 1st 2nd 3rd Year Private Tuition: DEMO CLASS | MAKAUT BCA [ 1st Semester ] 2023-2024 BCA/BBA Admission Entrance Exam 2024 | ☐☐☐☐ BATCH 2024 - MAKAUT CET 2024 Entrance Exam Crash Course ☐☐☐☐☐ Batch 2024: BCA 1st SEM Tuition Class Details and Admission by YOUTH CAREER HUB How to study for College Exams ? Just do this for best GPA! MAKAUT Inhouse BCA Syllabus 2021 BCA first year complete roadmap | A to Z guidance with resources ☐All About BCA Entrance Exams 2024? BCA Syllabus, Best Books, Tips! #BCA #BCA2024 #BCAEntranceExams Top BCA Colleges in West Bengal☐ MAKAUT BCA Course Admissions 2024☐ #shorts #bcaadmissions #makaut ☐BCA 2nd Year Best Books! BCA Subjects, Syllabus 3rd, 4th Semester! #BCA #BCABooks #bcasubjects MAKAUT BCA SEMESTER 2 NEW SYLLABUS | SUBJECT DETAILS | STUDY GUIDANCE | ONLINE CLASS

Mathematical Foundation of Computer Science

Advanced Perl Programming

Introduction to Entrepreneurship

Engineering Physics Practical

Computer Organization

Introduction to Cryptography and Network Security

Digital Electronics

COMPUTER ORGANIZATION AND ARCHITECTURE

Data Structures and Algorithms Using Python

Computer Fundamentals

Web Technologies: Html, Javascript, Php, Java, Jsp, Asp.Net, Xml And Ajax, Black Book (With Cd)

A TEXTBOOK ON C

Object-oriented Programming with Java

Mastering Cloud Computing

Optimal Mixture Experiments

Understanding and Using C Pointers

Computer Fundamentals  
Mathematics for BCA Volume 2 - (WBUT)  
Pointers on C  
VALUES AND ETHICS IN BUSINESS AND PROFESSION  
Human Values  
Computer Organization & Architecture 7e  
Data Communications and Networking  
Principles of Compiler Design

*Bca New  
Syllabus  
Makaut*

*OMB No.  
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edited by*

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## **BERG ARMSTRONG**

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### **Mathematical Foundation of**

### **Computer Science**

New Age International  
The complete reference guide to the hot technology of cloud computing. Its potential for lowering IT costs makes cloud computing a major force for both IT vendors and users; it is expected to gain momentum rapidly with the launch of Office Web Apps later this year. Because cloud computing involves various technologies, protocols, platforms, and infrastructure elements, this comprehensive reference is just what you need if you'll be using or implementing cloud computing. Cloud computing offers significant cost savings by eliminating upfront expenses for hardware and software; its growing popularity is expected to skyrocket when Microsoft

introduces Office Web Apps. This comprehensive guide helps define what cloud computing is and thoroughly explores the technologies, protocols, platforms and infrastructure that make it so desirable. Covers mobile cloud computing, a significant area due to ever-increasing cell phone and smartphone use. Focuses on the platforms and technologies essential to cloud computing. Anyone involved with planning, implementing, using, or maintaining a cloud computing project will rely on the information in *Cloud Computing Bible: Advanced Perl Programming*. Krishna Prakashan Media. Designed as an introductory text for the students of computer science, computer applications, electronics engineering and information technology for their first course on the organization and architecture of computers, this accessible, student

friendly text gives a clear and in-depth analysis of the basic principles underlying the subject. This self-contained text devotes one full chapter to the basics of digital logic. While the initial chapters describe in detail about computer organization, including CPU design, ALU design, memory design and I/O organization, the text also deals with Assembly Language Programming for Pentium using NASM assembler. What distinguishes the text is the special attention it pays to Cache and Virtual Memory organization, as well as to RISC architecture and the intricacies of pipelining. All these discussions are climaxed by an illuminating discussion on parallel computers which shows how processors are interconnected to create a variety of parallel computers. **KEY FEATURES** □ Self-contained presentation starting with data representation and ending

with advanced parallel computer architecture. □ Systematic and logical organization of topics. □ Large number of worked-out examples and exercises. □ Contains basics of assembly language programming. □ Each chapter has learning objectives and a detailed summary to help students to quickly revise the material.

### **Introduction to**

**Entrepreneurship** New Age International

Based on the authors' market leading data structures books in Java and C++, this textbook offers a comprehensive, definitive introduction to data structures in Python by authoritative authors. *Data Structures and Algorithms in Python* is the first authoritative object-oriented book available for the Python data structures course. Designed to provide a comprehensive introduction to data structures and algorithms, including their design, analysis, and implementation, the text will maintain the same general structure as *Data Structures and Algorithms in Java* and *Data Structures and Algorithms in C++*.

### **Engineering Physics**

**Practical** Jones & Bartlett

### **Learning**

Designed for professionals and advanced students, *Pointers On C* provides a comprehensive resource for those needing in-depth coverage of the C programming language. An extensive explanation of pointer basics and a thorough exploration of their advanced features allows programmers to incorporate the power of pointers into their C programs. Complete coverage, detailed explanations of C programming idioms, and thorough discussion of advanced topics makes *Pointers On C* a valuable tutorial and reference for students and professionals alike.

### Computer Organization

New York ; Toronto : McGraw-Hill

For courses on digital design in an Electrical Engineering, Computer Engineering, or Computer Science department. *Digital Design*, fifth edition is a modern update of the classic authoritative text on digital design. This book teaches the basic concepts of digital design in a clear, accessible manner. The book presents the basic tools for the design of digital circuits and provides procedures suitable for a

variety of digital applications.

*Introduction to Cryptography and Network Security* Pearson Education India

*Data Communications and Networking* provides an introduction to the concepts that underlie networking technology. This book is an extensive and comprehensive introduction to networking that does not require its readers to have a lot of mathematical background.

*Digital Electronics* John Wiley & Sons

This book introduces a modern approach to embedded system design, presenting software design and hardware design in a unified manner. It covers trends and challenges, introduces the design and use of single-purpose processors ("hardware") and general-purpose processors ("software"), describes memories and buses, illustrates hardware/software tradeoffs using a digital camera example, and discusses advanced computation models, controls systems, chip technologies, and modern design tools. For courses found in EE, CS and other engineering departments.

### **COMPUTER**

## **ORGANIZATION AND ARCHITECTURE** New Age International

Learn the true process of a successful entrepreneur with Introduction to Entrepreneurship, 8/e International Edition. Presenting the most current thinking in this explosive field, this renowned entrepreneurship text provides a practical, step-by-step approach that makes learning easy. Using exercises and case presentations, you can apply your own ideas and develop useful entrepreneurial skills. Cases and examples found throughout the text present the new venture creations or corporate innovations that permeate the world economy today. This book will be your guide to understanding the entrepreneurial challenges of tomorrow.

**Data Structures and Algorithms Using Python** PHI Learning Pvt. Ltd.

Mathematics for BCA  
Volume 2 - (WBUT)Vikas Publishing House

## **COMPUTER FUNDAMENTALS**

John Wiley & Sons  
Object-Oriented Programming With Java Was Developed For Students In The Science,

Engineering, And Business Fields Where Knowledge Of Programming Is Thought To Be Essential. This Text, On Modern Software Development, Contains Material That Is Typically Covered In A CS1 Course. In Addition To Traditional Introductory Programming Concepts, Object-Oriented Concepts And Techniques Such As Inheritance And Polymorphism Are Presented In A Student-Friendly Manner. Java-Related Topics Such As Exception Handling And The Java I/O Models Are Carefully Treated, And An Entire Chapter Is Devoted To Java Applets.

Web Technologies: Html, Javascript, Php, Java, Jsp, Asp.Net, Xml And Ajax, Black Book (With Cd) John Wiley & Sons

This comprehensive exploration of signals and systems develops continuous-time and discrete-time concepts/methods in parallel, highlighting the similarities and differences, and features introductory treatments of the applications of these basic methods in such areas as filtering, communication, sampling, discrete-time processing of continuous-time signals, and feedback. Relatively self-contained,

the text assumes no prior experience with system analysis, convolution, Fourier analysis, or Laplace and z-transforms. This edition includes a companion book of MATLAB-based computer exercises for each topic in the text. Material on Fourier analysis has been reorganized significantly to provide an easier path for the student to master and appreciate the importance of this topic. Frequency-domain filtering is now introduced very early in the development to provide a central and concrete illustration of why this topic is important and to provide some intuition with a minimal amount of mathematical preliminaries.

**A TEXTBOOK ON C** John Wiley & Sons

Covers advanced features of Perl, how the Perl interpreter works, and presents areas of modern computing technology such as networking, user interfaces, persistence, and code generation.

Object-oriented Programming with Java Addison-Wesley Professional

In this new first edition, well-known author Behrouz Forouzan uses his accessible writing style and visual approach

to simplify the difficult concepts of cryptography and network security. While many security books assume knowledge of number theory and advanced math, or present mainly theoretical ideas, Forouzan presents difficult security topics from the ground up. A gentle introduction to the fundamentals of number theory is provided in the opening chapters, paving the way for the student to move on to more complex security and cryptography topics. Difficult math concepts are organized in appendices at the end of each chapter so that students can first learn the principles, then apply the technical background. Hundreds of examples, as well as fully coded programs, round out a practical, hands-on approach which encourages students to test the material they are learning.

#### Mastering Cloud

#### Computing Springer

The present book has been specially published for the aspirants of Bachelor of Computer Applications (BCA) Entrance exam organised by various universities in India. The book also comprises many Previous Year Solved Papers for aspirants to be familiar

with the exam pattern, the type of questions asked, and their answers. Detailed Explanatory Answers have also been provided for the Selected Questions for Better Understanding of readers. The book contains ample amount of Study and Practice Material

### **OPTIMAL MIXTURE EXPERIMENTS**

Pearson

This book is useful for B.Com., M.Com., and MBA students of all Indian Universities. Presentation of various aspects of entrepreneurship is the most salient features of this book. Clarity of all topics has been given throughout. Description of the most difficult topics, in a simple and easy to follow style, has been the authors main attempt. At the end of the each chapter Assessment Questions are included in this book. Glossary, Bibliography, Author Index, Subject Index and Abbreviations are incorporated at the end of the book.

### **UNDERSTANDING AND USING C POINTERS**

Springer Science & Business Media  
Mathematics for BCA is specially designed for students of BCA, who are

at the threshold of a completely new domain. Keeping this in mind, the book has been planned with utmost care in the exposition of concepts, choice of illustrative examples, and also in sequencing of topics. The language is simple yet precise. A large number of worked out problems have been included to familiarize the students with the techniques to solving them, and to instill confidence. The topics are interdependent and must be studied in the same order as given in the book.

### **COMPUTER FUNDAMENTALS**

Newnes

This book is designed to provide a solid introduction to the basics of C programming, and demonstrate C's power and flexibility in writing compact and efficient programs not only for information processing but also for high-level computations. It is an ideal text for the students of Computer Applications (BCA/MCA), Computer Science (B.Sc./M.Sc.), Computer Science and Engineering (B.E./B.Tech), Information Technology (B.E./B.Tech.) as well as for the students pursuing courses in other

engineering disciplines, both at the degree and diploma levels, possessing little or no programming experience. The book presents a comprehensive treatment of the language, highlighting its key features and illustrating effective programming techniques by examples. The basic programming concepts such as data types, input and output statements, looping statements, etc. are clearly explained in a simplified manner. The advanced techniques such as functions, pointers and files are discussed thoroughly. One of the key topics, Data Structures, is explained in detail with diagrammatic representations and well-written programs. The linked list, the heart of the data structure part, is very well illustrated. The final part of the book contains a collection of solved programs to reinforce the understanding of the concepts of the C language.

*Mathematics for BCA  
Volume 2 - (WBUT)*

"O'Reilly Media, Inc."

Mastering Cloud

Computing is designed for undergraduate students learning to develop cloud computing applications.

Tomorrow's applications won't live on a single computer but will be deployed from and reside on a virtual server, accessible anywhere, any time. Tomorrow's application developers need to understand the requirements of building apps for these virtual systems, including concurrent programming, high-performance computing, and data-intensive systems. The book introduces the principles of distributed and parallel computing underlying cloud architectures and specifically focuses on virtualization, thread programming, task programming, and map-reduce programming. There are examples demonstrating all of these and more, with exercises and labs throughout. Explains how to make design choices and tradeoffs to consider when building applications to run in a virtual cloud environment. Real-world case studies include scientific, business, and energy-efficiency considerations

### **POINTERS ON C**

PHI Learning Pvt. Ltd.  
CD-ROM contains cross-referenced code.

VALUES AND ETHICS IN

### BUSINESS AND

### PROFESSION New Age

International

The fundamentals and implementation of digital electronics are essential to understanding the design and working of consumer/industrial electronics, communications, embedded systems, computers, security and military equipment.

Devices used in applications such as these are constantly decreasing in size and employing more complex technology. It is therefore essential for engineers and students to understand the fundamentals, implementation and application principles of digital electronics, devices and integrated circuits. This is so that they can use the most appropriate and effective technique to suit their technical need.

This book provides practical and comprehensive coverage of digital electronics, bringing together information on fundamental theory, operational aspects and potential applications. With worked problems, examples, and review questions for each chapter, Digital Electronics includes:

information on number systems, binary codes, digital arithmetic, logic gates and families, and Boolean algebra; an in-depth look at multiplexers, demultiplexers, devices for arithmetic operations, flip-flops and related devices,

counters and registers, and data conversion circuits; up-to-date coverage of recent application fields, such as programmable logic devices, microprocessors, microcontrollers, digital troubleshooting and digital instrumentation. A

comprehensive, must-read book on digital electronics for senior undergraduate and graduate students of electrical, electronics and computer engineering, and a valuable reference book for professionals and researchers.

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