

# B C A 4th Semester

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*B C A 4th Semester*

2023-03-24

## **DANIELA MAXWELL**

### **Fundamentals of Numerical Computation (Computer-Oriented Numerical Analysis)** Booksclinic Publishing

"Web Technologies illuminates the fundamental principles and technologies of the World Wide Web, helping students master contemporary Web development and understand emerging Web innovations."--BOOK JACKET.

*Mathematics - II Semester-II (RTM)*

*Nagpur University* Routledge

Bloomsbury—An Activity-based Integrated Course for LKG, UKG and Classes 1 to 5 has been designed and formulated in accordance with the guidelines of National Education Policy (NEP) 2020. The series comprises a set of fourteen books, two for each class and one per semester. Semester books for LKG and UKG include English, Mathematics and Environmental Science. Semester books for Classes 1 and 2 include English, Mathematics, Environmental Science and General Knowledge. Semester books for Classes 3 to 5 include English, Mathematics, Science, Social Studies and General Knowledge. The series is strictly aligned

with the basic tenets of NEP 2020. Thus, a lot of emphasis has been laid on promoting activity-based and experiential approach to learning. The series also seeks to develop the core twenty-first-century skills in learners, which lie at the heart of NEP 2020. Besides, great care has been taken to make learning a joyful experience for the learners. All this will together lay a strong foundation at the primary level and lead to the holistic development of the learners at each level. Some of the key features of the series are:

- Key concepts supported with visual activities, games and real-life examples
- Carefully-graded and comprehensive exercises to facilitate true evaluation
- Online support in the form of animated lessons, interactive exercises, topic-wise videos and E-books (For Teachers only) as per the requirement of the subject
- Teachers Resource Book to facilitate teaching ENGLISH

The content for English is a perfect blend of the best of both worlds—past and present. The selections are based on the learners' interests, and, therefore, will not only easily arrest their attention but also facilitate longer retention. The graded exercises lay appropriate emphasis on learning the four basic language skills of Listening, Speaking, Reading and

Writing. Grammar Section in each book offers simple and clear conceptual understanding. MATHEMATICS The Mathematical concepts have been dealt with in an interesting and comprehensive manner. This way even an average child will have no difficulty in grasping the fundamentals. The series follows a graded and spiral approach, keeping in mind the age and level of understanding of the learner. ENVIRONMENTAL STUDIES NEP 2020 lays emphasis on promoting the spirit of analysis and questioning because it has been increasingly felt that children learn more through talking, observing and discussing with others. This approach has been adopted in EVS content. SCIENCE The content in this section emphasises meaningful learning of science for the overall development of learners. It focuses on helping children understand their natural environment and correlate science with their everyday experiences in an interesting and comprehensive manner. SOCIAL STUDIES A totally new and innovative approach to teaching social studies has been adopted in this section. The lessons enhance the learners' life skills and equip them with a high civic sense and arm them with an ability to face the challenges in life with confidence, and as responsible citizens. GENERAL KNOWLEDGE The main objective of the General Knowledge section is to create a sense of wonder in the learners and arouse in them a desire to learn and find out more about the world around them. We look forward for feedback and constructive criticism from the students, teachers and parents, which will be given due consideration in the future reprints and editions of the books. The Publisher \* ?????? ??????- ?????????????? ?? ???????, ?????????? ??? ??? ?? ?????? ???

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**Internet And Web Technology** Oxford University Press, USA

Helps students to combine their knowledge of English with their technical knowledge. Develops all four skills through varied activities, with special emphasis on vocabulary acquisition and grammatical accuracy. Up-to-date

technical content. Authentic reading and listening passages covering a wide range of topics, e.g. the use of virtual reality in industry, personal computing, viruses and security, information systems, and multimedia. Letter-writing section offering a complete guide to writing simple, work-related letters.

Comprehensive glossary of technical terms which forms a useful mini-dictionary of computing terminology. Separate Answer Book with a key to all exercises, the tapescripts, and useful unit-by-unit teaching notes. Designed for easy use by the non-specialist teacher.

**Database Processing** Goyal Brothers Prakashan

Our new semester series, Rosemary-An Activity-based Integrated Course for Classes 1 to 5, has meticulously followed the National Education Policy (NEP), 2020, and the National Curriculum Framework (NCF), 2023. Pramanas, Panchakosha Vikas, and Panchpadi, the three main constituents, have been used significantly through the explanations, examples, and exercises used in this series. It means the focus has shifted to the process of learning. This series envisages conceptual understanding as a continuous process. The books for Classes 1 and 2 include English, Mathematics, Environmental Studies, and General Knowledge. For Classes 3 to 5, the subjects expand to include English, Mathematics, Science, Social Studies, and General Knowledge. In developing this educational series, considerable attention has been focused on creating an engaging and enjoyable learning environment. This approach aims to establish a solid educational foundation for young learners, contributing to their all-around growth and development at every educational level. The series is characterised by

several notable features:

- Integrates key educational concepts with visually appealing activities, interactive games, and practical real-world examples
- Methodically structured and comprehensive exercises, ensuring thorough assessment and understanding
- Robust online support, including animated tutorials, interactive modules, subject-specific videos, and digital books (exclusively for teacher use), tailored to meet the needs of each topic

**ENGLISH:** Combines with historical and contemporary elements, it focuses on interest-based selections to engage learners and improve memory retention. It emphasises the four key language skills (Listening, Speaking, Reading, Writing) with clear grammar explanations. **MATHEMATICS:** With engaging and thorough presentation of concepts, it is suitable for all learning levels, using a graded and age-appropriate approach. **ENVIRONMENTAL STUDIES:** It focuses on analysis and inquiry, encouraging learning through discussion, observation, and conversation. **SCIENCE:** It offers meaningful learning by connecting scientific concepts to students' everyday experiences and the natural world. **SOCIAL STUDIES:** In this subject, innovative teaching methods are used to enhance life skills, civic understanding, and prepare students for life's challenges. **GENERAL KNOWLEDGE:** It is designed to incite curiosity and a passion for learning about the world. Online support in the form of animated Lesson, interactive exercises, topic-wise videos and E-books (for Teachers only) as per the requirement of the subject. Teachers' Resource Book (TRB) includes Lesson Plan and Learning Objectives along with the answers of the questions to facilitate teaching. Feedback from

students, teachers, and parents is welcomed for consideration in future updates and editions. -The Publisher Web Technologies MeetCoogole

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.

**Business Ethics** Sams Publishing  
This book is useful for IGNOU BCA & MCA students. A perusal of past questions papers gives an idea of the type of questions asked, the paper pattern and so on, it is for this benefit, we provide these IGNOU MCS-024: Introduction to

Database Management Systems Notes.

Students are advised to refer these solutions in conjunction with their reference books. It will help you to improve your exam preparations. It comprises of details about: •

Introduction to object oriented software engineering • Advanced Structured Modeling • Object Oriented Concepts and Project Management • Object oriented design and testing • Advanced topic in S/W engineering • Multiple Choice Questions

**Mastering HTML 4.0** "O'Reilly Media, Inc."

Introduction to Business covers the scope and sequence of most introductory business courses. The book provides detailed explanations in the context of core themes such as customer satisfaction, ethics, entrepreneurship, global business, and managing change. Introduction to Business includes hundreds of current business examples from a range of industries and geographic locations, which feature a variety of individuals. The outcome is a balanced approach to the theory and application of business concepts, with attention to the knowledge and skills necessary for student success in this course and beyond.

**Critical Reasoning** Addison-Wesley Professional  
Term book

Media Education Assessment Handbook  
PHI Learning Pvt. Ltd.

In-depth coverage is given of the hottest new HTML topics, from Cascading Style Sheet layers, Dynamic HTML, Active Server Pages, and "push" technology to the latest word on customizing Windows 98 using HTML. The CD-ROM includes the book's HTML reference in the "Modern Age" format and key HTML code

and utilities.

**Education Directory** New Age International

Advanced Java Programming is a textbook specially designed for undergraduate and postgraduate students of Computer Science, Information Technology, and Computer Applications (BE/BTech/BCA/ME/M.Tech/MCA). Divided into three parts, the book provides an exhaustive coverage of topics taught in advanced Java and other related subjects.

**MCS-024: Object Oriented Technologies and Java Programming** Prentice Hall

For the Students of B.E. / B.Tech., M.E. / M.Tech. & BCA / MCA It is indeed a matter of great encouragement to write the Third Edition of this book on 'Operating Systems - A Practical Approach' which covers the syllabi of B.Tech./B.E. (CSE/IT), M.Tech./M.E. (CSE/IT), BCA/MCA of many universities of India like Delhi University, GGSIPU Delhi, UPTU Lucknow, WBUT, RGPV, MDU, etc.

*Effective Methods for Software Testing*, CafeScribe Booksclinic Publishing "Mathematics - II" is as per the latest prescribed Syllabus RTMNU Nagpur with a major focus on Integral, Multivariable and Vector Calculus, Statistics and Finite Differences. The text is lucid and brimming with examples for further ease of students. The practice quotient is high as well so that the reader further understands the topics which have been deftly explained.

**Operating Systems** CBS Publishers & Distributors Pvt Limited, India Programming in C# is a textbook designed for the undergraduate students of Computer Science Engineering and Information Technology and

postgraduate students of computer applications to help them understand fundamentals and applications of C# programming using .NET framework. The book will also serve as a handy reference for researchers and practicing programmers who intend to peruse their career in C# programming.

**Beginning Visual C# 2010** Prentice Hall

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

*Oxford English for Computing* YOUTH COMPETITION TIMES

Get straight to the point of database processing. Database Processing reflects a new teaching method that gets readers straight to the point with its thorough and modern presentation of database processing fundamentals. The twelfth edition has been thoroughly updated to reflect the latest software.

**Operating System (A Practical App)**

Springer Science & Business Media 2023-24 NTA UGC-NET/JRF Teaching & Research Aptitude 82 Sets

**Programming in C#** John Wiley and Sons

Java's rich, comprehensive networking interfaces make it an ideal platform for building today's networked, Internet-centered applications, components, and Web services. Now, two Java networking experts demystify Java's complex

networking API, giving developers practical insight into the key techniques of network development, and providing extensive code examples that show exactly how it's done. David and Michael Reilly begin by reviewing fundamental Internet architecture and TCP/IP protocol concepts all network programmers need to understand, as well as general Java features and techniques that are especially important in network programming, such as exception handling and input/output. Using practical examples, they show how to write clients and servers using UDP and TCP; how to build multithreaded network applications; and how to utilize HTTP and access the Web using Java. The book includes detailed coverage of server-side application development; distributed computing development with RMI and CORBA; and email-enabling applications with the powerful JavaMail API. For all beginning to intermediate Java programmers, network programmers who need to learn to work with Java.

**Bloomsbury—An Activity-based Integrated Course Class 4 Semester 2 AY (2023-24) Onward** S. Chand Publishing

This book Information Security: An Innovative Summary and Software as a Tool for Compliance with Information Security Standard, looks at information security & risk management associated with information security, and information security awareness within an association. The authors objective is to improve the overall ability of organizations to participate, forecast, and actively evaluate their information security circumstances. The book is created to solve the problems for the students of B.A / B.Sc / BCA and B.Com. 4th semester skill enhancement course

and compiled the syllabus under Jammu university colleges in general and particular for all the students of other Colleges & Institutions. It contains the solved material with innovative and evaluated approach of information security. It also generalises the syllabus with insistent and analytic style.

*Visual C++ Programming* New Saraswati House India Pvt Ltd

The topic combination of VB .NET and ADO.NET is unbeatable. VB .NET is the most popular language in which to code. And, every developer needs to understand ADO.NET to allow data to be accessed from a Web site. In this book Developers will be shown numerous code examples that will illustrate how to program database driven applications within the .NET Framework. The book is aimed at both established and new VB Developers. Important topics covered include: Visual Studio development environment, ASP.NET applications, Windows Forms application, using VB .NET with ADO.NET, complex queries, security, COM interop., and application deployment.

**Java Network Programming**

Psychology Press

This is a practical manual on operating systems, which describes a small UNIX-like operating system, demonstrating how it works and illustrating the principles underlying it. The relevant sections of the MINIX source code are described in detail, and the book has been revised to include updates in MINIX, which initially started as a v7 unix clone for a floppy-disk only 8088. It is now aimed at 386, 486 and pentium machines, and is based on the international posix standard instead of on v7. Versions of MINIX are now also available for the Macintosh and SPARC.