

# Pgdca Syllabus 1st Sem

What is this book about? JavaScript is the language of the Web. Used for programming all major browsers, JavaScript gives you the ability to enhance your web site by creating interactive, dynamic, and personalized pages. Our focus in this book is on client-side scripting, but JavaScript is also hugely popular as a scripting language in server-side environments, a subject that we cover in later chapters. What does this book cover? Beginning JavaScript assumes no prior knowledge of programming languages, but will teach you all the fundamental concepts that you need as you progress. After covering the core JavaScript language, you'll move on to learn about more advanced techniques, including Dynamic HTML, using cookies, debugging techniques, and server-side scripting with ASP. By the end of this book, you will have mastered the art of using JavaScript to create dynamic and professional-looking web pages. Here are a few of the things you'll learn in this book: Fundamental programming concepts Comprehensive practical tutorial in JavaScript Cross-browser scripting, including Netscape 6 Cookie creation and use Plug-ins and ActiveX controls Dynamic HTML Scripting the W3C DOM Server-side JavaScript with ASP Who is this book for? This book is for anyone who wants to learn JavaScript. You will need a very basic knowledge of HTML, but no prior programming experience is necessary. Whether you want to pick up some programming skills, or want to find out how to transfer your existing programming knowledge to the Web, then this book is for you. All you need is a text editor (like Notepad) and a browser, and you're ready to go!

Learn the simplest ways to get things done with Windows 8.1 Get the full-color, visual guide

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that makes learning Windows 8.1 plain and simple! Follow the book 's easy steps and screenshots and clear, concise language to learn the most expedient way to perform tasks and solve problems in Windows 8.1. Here 's WHAT You ' ll Learn: Personalize your Start screen in cool new ways Use apps such as Mail, People, Calendar, Skype, and Paint Surf the web, and send and receive email and messages Explore redesigned apps for Music, Video, and Windows Store Search your files, media, and the web—all at once Access your files from the cloud with Microsoft SkyDrive Here 's HOW You ' ll Learn It Jump in wherever you need answers Follow easy steps and screenshots to see exactly what to do Get handy tips for new techniques and shortcuts Use Try This! exercises to apply what you learn right away

Communication skills are therefore essential for the successful future career of a student. In today's competitive world, communication skills in business are the most sought after quality of an educated person. Reading, writing and listening carefully are the three most important communication skills for students. It thus gives me immense pleasure in bringing out the first edition of this book as per the new syllabus effective from June 2017. Great care has been taken to cover the whole syllabus concerning different aspects of Communication Skills - II as prescribed in the new curricular syllabus for Jharkhand.

Computer Fundamentals is specifically designed to be used at the beginner level. It covers all the basic hardware and software concepts in computers and its peripherals in a very lucid manner.

### COMPUTER ORGANIZATION AND ARCHITECTURE

### Discrete Mathematics

## Read Book Pgdca Syllabus 1st Sem

### Understanding UNIX

#### An Introduction to Database Systems

For almost four decades, *Software Engineering: A Practitioner's Approach (SEPA)* has been the world's leading textbook in software engineering. The ninth edition represents a major restructuring and update of previous editions, solidifying the book's position as the most comprehensive guide to this important subject.

For Introductory Courses in Operating Systems in Computer Science, Computer Engineering, and Electrical Engineering programs. The widely anticipated revision of this worldwide best-seller incorporates the latest developments in operating systems (OS) technologies. The Third Edition includes up-to-date materials on relevant OSs such as Linux, Windows, and embedded real-time and multimedia systems. Tanenbaum provides information on current research based on his experience as an operating systems researcher.

It is clear that the development of large software systems is an extremely complex activity, which is full of various opportunities to introduce errors. Software engineering is the discipline that provides methods to handle this complexity and enables us to produce reliable software systems with maximum productivity. An Integrated Approach to Software Engineering is different from other approaches because the various topics are not covered in isolation. A running case study is employed throughout the book.

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illustrating the different activity of software development on a single project. This is important and instructive because it not only teaches the principles of software engineering, but also applies them to a software development project such that all aspects of development can be clearly seen on a project.

This Thoughtfully Organized Book Has Been Designed To Provide Its Readers With A Sound Foundation Of Computers And Information Technology. The Number Of Chapters, Chapter Topics, And The Contents Of Each Chapter Have Been Carefully Chosen To Introduce The Readers To All Important Concepts Through A Single Book. Each Chapter Addresses The Fundamental Concepts, Popular Technologies, And Current State-Of-The-Art Topics. Complete With Numerous Illustrations And Examples, Chapter Summaries, End-Of-Chapter Questions, And A Glossary Of Important Terms, Foundations Of Computing Is Designed To Serve As An Ideal Textbook For Various Courses Offered In Computer Science, Information Technology, And Other Related Areas. You Will Find Sufficient Coverage Of All Major Topics In The Field, Including Several New And Advanced Topics, Such As: Software Engineering, Object-Oriented Programming, Network, Distributed, And Real-Time Operating Systems, Unix, Windows And Linux Operating Systems, Relational, Object-Oriented, And Multimedia Databases, Data Warehousing And Data Mining, Information Security In Computer Systems, Multimedia Computing Systems And Applications, Wireless Networks, The

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Internet,And Many More&..

Computer Organization & Architecture 7e

Applications of Object-oriented Programming

A Practitioners Approach

Fundamentals of Database Systems

Database System Concepts

Getting familiar with cloud computing features from scratch to advanced. KEY FEATURES ? Detailed coverage on Cloud fundamentals, Cloud Service Models, and deployment models. ? Easy, detailed, and practical approach to develop skills on working with Cloud Computing. ? Includes charts, diagrams, and graphical illustrations for better visual learning on complex topics of cloud computing. DESCRIPTION Cloud computing is a technology that allows you to store, access data and programs over the internet instead of the hard drive or server. In this book, you will gain knowledge about the fundamentals of cloud computing. This book includes a detailed description of the features of the cloud, the importance of cloud in today's era, and uses of cloud computing. This book provides you with a deep knowledge of the basics of cloud computing. You will learn about the characteristics, architecture, and uses and importance of cloud computing. This book also explores the concept of scalability and redundancy

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regarding cloud computing. You will learn about the various cloud deployment and service models. You will also gain knowledge of virtualization technology. You will also have a guided tour of concepts related to cloud management, data storage and security, and cloud operations and technologies. At the end of the book, you will learn about the advanced concepts of cloud computing and also learn about mobile cloud computing.

**WHAT YOU WILL LEARN ?** In-depth understanding on the fundamentals of cloud computing. ? Explore the role and importance of cloud computing across businesses and enterprises. ? Learn about cloud deployment models and service models. ? Gain knowledge on cloud storage, cloud security, administration of cloud and mobile cloud computing.

**WHO THIS BOOK IS FOR** This book is open to all graduates, beginners and working professionals to help them understand everything about cloud computing and how to operate in a cloud environment.

**TABLE OF CONTENTS**

1. Introduction
2. Architecture and Applications
3. Scalability and Redundancy
4. Cloud Services
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6. Virtualization
7. Management
8. Data Storage and Security
9. Operations and Challenges
10. Technologies and Service Providers
11. Cloud Cube Model
12. Mobile Cloud Computing

For the user who would rather program in C than do practically anything else, this book has finally arrived. Born to Code in C covers interesting and timely C

programming aspects, while presenting extensive coding examples for each. The C++ Programming Language is one of the popular programming language that support object-oriented programming in addition to procedural programming. All major IT companies are using C++ language as their preferred language in implementing substantial number of projects using object-oriented technology. To fulfill the requirement of these companies, all universities/institutions offering various courses on programming with C++ in their curriculum. This book is designed as a textbook for the students taking these courses. Throughout the book the level of presentation is kept simple and illustrative so that even an average reader can grasp the subject matter with quite ease practically this book will provide you everything you need on object-oriented programming with C++. The Definitive Java Programming Guide In Java: The Complete Reference, Eighth Edition, bestselling programming author Herb Schildt shows you everything you need to develop, compile, debug, and run Java programs. Updated for Java Platform, Standard Edition 7 (Java SE 7), this comprehensive volume covers the entire Java language, including its syntax, keywords, and fundamental programming principles. You'll also find information on key elements of the Java API library. JavaBeans, servlets, applets, and Swing are examined and real-world examples demonstrate Java in action. In addition, new Java SE 7

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features such as try-with-resources, strings in switch, type inference with the diamond operator, NIO.2, and the Fork/Join Framework are discussed in detail. Coverage includes: Data types and operators Control statements Classes and objects Constructors and methods Method overloading and overriding Interfaces and packages Inheritance Exception handling Generics Autoboxing Enumerations Annotations The try-with-resources statement Varargs Multithreading The I/O classes Networking The Collections Framework Applets and servlets JavaBeans AWT and Swing The Concurrent API Much, much more  
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An Integrated Approach to Software Engineering  
Computer Fundamentals  
Modern Operating Systems  
FUNDAMENTAL OF COMPUTERS

Note: This is the 3rd edition. If you need the 2nd edition for a course you are taking, it can be found as a "other format" on amazon, or by searching its isbn: 1534970746 This gentle introduction to discrete mathematics is written for first and second year math majors, especially those who intend to teach. The text began as a set of lecture notes for the discrete mathematics course at the University of Northern Colorado. This course serves both as an introduction to

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topics in discrete math and as the "introduction to proof" course for math majors. The course is usually taught with a large amount of student inquiry, and this text is written to help facilitate this. Four main topics are covered: counting, sequences, logic, and graph theory. Along the way proofs are introduced, including proofs by contradiction, proofs by induction, and combinatorial proofs. The book contains over 470 exercises, including 275 with solutions and over 100 with hints. There are also Investigate! activities throughout the text to support active, inquiry based learning. While there are many fine discrete math textbooks available, this text has the following advantages: It is written to be used in an inquiry rich course. It is written to be used in a course for future math teachers. It is open source, with low cost print editions and free electronic editions. This third edition brings improved exposition, a new section on trees, and a bunch of new and improved exercises. For a complete list of changes, and to view the free electronic version of the text, visit the book's website at [discrete.openmathbooks.org](http://discrete.openmathbooks.org)

This book "discusses advanced features of software applications, a section which has been thoroughly expanded for this new edition, as well as software customisation, systems administration, client support, production of technical and training documentation, and researching and implementing new technology." ---

back cover.

The authors provide clear examples and thorough explanations of every feature in the C language. They teach C vis-a-vis the UNIX operating system. A reference and tutorial to the C programming language. Annotation copyrighted by Book News, Inc., Portland, OR

For a one-semester undergraduate course in operating systems for computer science, computer engineering, and electrical engineering majors. Winner of the 2009 Textbook Excellence Award from the Text and Academic Authors Association (TAA)! Operating Systems: Internals and Design Principles is a comprehensive and unified introduction to operating systems. By using several innovative tools, Stallings makes it possible to understand critical core concepts that can be fundamentally challenging. The new edition includes the implementation of web based animations to aid visual learners. At key points in the book, students are directed to view an animation and then are provided with assignments to alter the animation input and analyze the results. The concepts are then enhanced and supported by end-of-chapter case studies of UNIX, Linux and Windows Vista. These provide students with a solid understanding of the key mechanisms of modern operating systems and the types of design tradeoffs and decisions involved in OS design. Because they are embedded into the text as

end of chapter material, students are able to apply them right at the point of discussion. This approach is equally useful as a basic reference and as an up-to-date survey of the state of the art.

Turbo C++

A Practical Introduction to Data Structures and Algorithm Analysis

A Systems Approach

Thinking in Java

Explore Application of Cloud, Cloud Deployment Models, Service Models and Mobile Cloud Computing (English Edition)

Software -- Operating Systems.

This practical text contains fairly "traditional" coverage of data structures with a clear and complete use of algorithm analysis, and some emphasis on file processing techniques as relevant to modern programmers. It fully integrates OO programming with these topics, as part of the detailed presentation of OO programming itself. Chapter topics include lists, stacks, and queues; binary and general trees; graphs; file processing and external sorting; searching; indexing; and limits to computation. For programmers who need a good reference on data structures.

This book consists the fundamentals of computer application for beginners as well experts.

An overview of the programming language's fundamentals covers syntax, initialization, implementation, classes, error handling, objects, applets, multiple threads, projects, and network programming.

Windows 8.1 Plain & Simple

Unix & Shell Programming

Software Engineering

COMPUTERS TODAY

Mastering Turbo C

The first book to help experienced programmers learn object-oriented programming (OOP)--and serve as a convenient reference guide. A tutorial sprochen explores all the features of C++. With this foundation, the book shows programmers how to expertly apply these techniques to software development.

Case studies implemented in several object-oriented programming languages including C++, Smalltalk, Objective-C, Actor and Object pascal.

Computer Networks: A Systems Approach, Fifth Edition, explores the key principles of computer networking, with examples drawn from the real world of

network and protocol design. Using the Internet as the primary example, this best-selling and classic textbook explains various protocols and networking technologies. The systems-oriented approach encourages students to think about how individual network components fit into a larger, complex system of interactions. This book has a completely updated content with expanded coverage of the topics of utmost importance to networking professionals and students, including P2P, wireless, network security, and network applications such as e-mail and the Web, IP telephony and video streaming, and peer-to-peer file sharing. There is now increased focus on application layer issues where innovative and exciting research and design is currently the center of attention. Other topics include network design and architecture; the ways users can connect to a network; the concepts of switching, routing, and internetworking; end-to-end protocols; congestion control and resource allocation; and end-to-end data. Each chapter includes a problem statement, which introduces issues to be examined; shaded sidebars that elaborate on a topic or introduce a related advanced topic; What ' s Next? discussions that deal with emerging issues in research, the commercial world, or society; and exercises. This book is written for graduate or upper-division undergraduate classes in computer networking. It will also be useful for industry professionals retraining for network-related assignments, as well as for

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network practitioners seeking to understand the workings of network protocols and the big picture of networking. Completely updated content with expanded coverage of the topics of utmost importance to networking professionals and students, including P2P, wireless, security, and applications Increased focus on application layer issues where innovative and exciting research and design is currently the center of attention Free downloadable network simulation software and lab experiments manual available

Database System Concepts by Silberschatz, Korth and Sudarshan is now in its 6th edition and is one of the cornerstone texts of database education. It presents the fundamental concepts of database management in an intuitive manner geared toward allowing students to begin working with databases as quickly as possible. The text is designed for a first course in databases at the junior/senior undergraduate level or the first year graduate level. It also contains additional material that can be used as supplements or as introductory material for an advanced course. Because the authors present concepts as intuitive descriptions, a familiarity with basic data structures, computer organization, and a high-level programming language are the only prerequisites. Important theoretical results are covered, but formal proofs are omitted. In place of proofs, figures and examples are used to suggest why a result is true.

### COMPUTER FUNDAMENTALS (SEMESTER - 1).

Cloud Computing Simplified

Mastering Object-Oriented Programming With C++

A Book on C

Beginning JavaScript

Understanding UNIX introduces the UNIX operating system, providing a basic understanding of its architecture and operating principles. Rather than attempting to explain all the uses of each command, the book concentrates on the most practical commands and options. It gives all the necessary information to set up, use, maintain, and optimize a UNIX system with a minimum of trouble.

This work has been selected by scholars as being culturally important and is part of the knowledge base of civilization as we know it. This work is in the public domain in the United States of America, and possibly other nations. Within the United States, you may freely copy and distribute this work, as no entity (individual or corporate) has a copyright on the body of the work. Scholars believe, and we concur, that this work is important enough to be preserved, reproduced, and made generally available to the public. To ensure a quality reading experience, this work has been proofread and republished using a format that seamlessly blends the original graphical elements with

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text in an easy-to-read typeface. We appreciate your support of the preservation process, and thank you for being an important part of keeping this knowledge alive and relevant.

Microsoft's Active Server Pages are dynamic Web pages that are capable of changing every time they are viewed. Using ASP is actually a fairly difficult programming task. This book provides a solid guide to developing ASP for use in a professional environment. CD includes all of the code that is in the book plus sample ASP applications that are ready to run.

For over 25 years, C. J. Dates *An Introduction to Database Systems* has been the authoritative resource for readers interested in gaining insight into and understanding of the principles of database systems. This exciting revision continues to provide a solid grounding in the foundations of database technology and to provide some ideas as to how the field is likely to develop in the future. The material is organized into six major parts. Part I provides a broad introduction to the concepts of database systems in general and relational systems in particular. Part II consists of a careful description of the relational model, which is the theoretical foundation for the database field as a whole. Part III discusses the general theory of database design. Part IV is concerned with transaction management. Part V shows how relational concepts are relevant to a variety of further aspects

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of database technology-security, distributed databases, temporal data, decision support, and so on. Finally, Part VI describes the impact of object technology on database systems. This Seventh Edition of An Introduction to Database Systems features widely rewritten material to improve and amplify treatment o

Programming in C

Operating Systems

Fundamentals of Computers

COMMUNICATION SKILLS -- II

An Open Introduction

**Computer Organization**New York ; Toronto : McGraw-Hill**COMMUNICATION SKILLS -- II**

**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.**

**This edition combines clear explanations of database theory and design with up-to-date coverage of models and real systems. It features excellent examples and access to Addison Wesley's database Web site that includes further teaching, tutorials and many useful student resources.**

**Essentials of Information Technology**

**Internals and Design Principles**

**Born to Code in C**

**Object-oriented Programming in C++**

**Foundations of Computing**