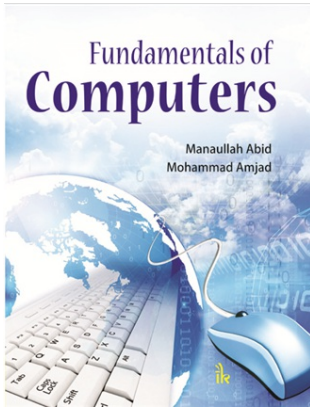


Fundamentals of Computers, 1/e

Manaullah Abid & Mohammad Amjad



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About the Book

The book is spread in seven units.

The first unit is dedicated to the basics of the computer system. It covers description of block diagram, functions and working of various components. The latest available types and varieties of different peripherals and CPUs are also elaborated.

The second unit describes two major operating systems, Windows and UNIX.

The third unit is about networking. The basic ideas of networking IPv4 and latest IPv6 have been described.

The fourth unit is about application packages.

The fifth unit covers logic development and programming skills. The language covered starts from basic concepts to developing large programs while putting emphasis on the fundamental concepts.

The sixth unit covers the Hypertext Markup Language programming for publishing and creating web pages.

The seventh unit deals with database management.

Salient Features

- ▶ Covers the basics of a computer hardware and software concepts used by individuals and organizations on a day-to-day basis.
- ▶ Gives comprehensive overviews on OSes, application programs, networking, web technologies and design, database management systems and introduction to C and C++ languages.
- ▶ Provides program codes and algorithms wherever relevant. Screenshots are also given profusely.
- ▶ Contains elaborate end-of-chapter exercises.
- ▶ Elaborates latest available types of different peripherals and CPUs; describes major OSes, viz. Windows and UNIX and basics of networking IPv4 and IPv6.

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1. Introduction to computers
2. Operating systems A. Disk Operating System (DOS) B. Windows C. Unix: Operating System
3. Application programs A. MS Word B. MS Excel C. MS Power Point
4. Introduction to computer networking
5. Programming in C and CPP
6. WEB Technologies and Web Designing with HTML
7. Database Management Systems Index.

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Manaullah Abid :- Manaullah Abid is Asst. Professor at Jamia Millia Islamia (JMI), Faculty of Engineering & Technology, Department of Electrical Engineering. He completed his graduation in Electrical Engineering from Aligarh Muslim University, Aligarh. He received his postgraduation in Power System from IIT Roorkee and obtained his Ph.D. in Computer Engineering from Jamia Millia Islamia, New Delhi.

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