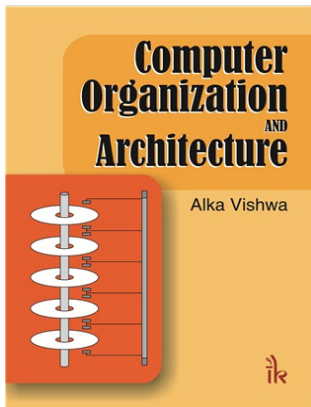


Computer Organization and Architecture, 1/e

Alka Vishwa



2013 384 pp Paperback ISBN: 9789382332473 Price: 505.00

About the Book

This book designed for B. Tech and MCA Students. It emphasizes the conceptual understanding of each topic. This book contains lots of solved numerical problems for better understanding of topic followed by unsolved numerical problems for practice. Each chapter contains previous years GATE questions related to the each topic with the answer key.

Broadly, the book deals with:

1. Introduction to Computer Organization
2. Register Transfer Logic
3. Data Representation and Logic Design
4. Computer Arithmetic
5. Processor Organization
6. Pipeline and Vector Processing
7. Memory Organization
8. Input Output Organization.

Salient Features

- ▶ Explains all the important concepts of Computer Organization and Architecture in a step-by-step manner.
- ▶ Illustrated with flowcharts and line drawings to support the text.
- ▶ Each chapter contains solved examples, review questions and GATE questions with answer key to learn and practice the topics.
- ▶ Provides model test papers in the appendix.

Table of Contents

- ▶ Introduction to Computer Organization
- ▶ Register Transfer Logic
- ▶ Data Representation and Logic Design
- ▶ Computer Arithmetic
- ▶ Processor Organization
- ▶ Pipeline and Vector Processing
- ▶ Memory Organization
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- ▶ Appendix
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About the Author

Alka Vishwa :- Alka Vishwa is Asst. Professor. Dept. of Computer Science & Engineering, IIMET, Jaipur.

Book Review

Aruna Lakshmanan :- A lot of solved examples and review questions are in the book for practice.

Preeti Ashwath :- Almost all important topics are explained with the help of flow charts which made its application very easy for me.

Priya Patel :- Complex processor and mery diagrams are very clearly given. Overall a very nice book. I recommend this book very strongly.

Shalini Banerjee :- Directional flow of topics makes this book very useful.

Timir Shah :- Logic gates, computer arithmetic are hard topics and these are very well explained. Kudoos to the author.

Vincent Bhatt :- The book presents the topics in very systematic and clear manner. Good value for money.

Vishal Mehta :- Easy for beginners! The solved examples makes study engaging.

Xerxes Rao :- Concepts on binary numbers very well explained. A must buy for all beginners.