

GATE reference books for computer science & IT

Discrete Mathematics – COLEMAN , C.L. Liu

Numerical Methods – V. Rajaraman

PROGRAMMING IN C : DENISE RITCHE, SCHAUM’S SERIES

C Language – Kerninghan, Ritchie

DIGITAL LOGIC:

1. Digital Design – Morris Mano
2. Malvino, Leach

COMPUTER ORGANIZATION AND ARCHITECTURE:

1. Computer Architecture and Organisation – J.P. Hayes
2. Computer organization and architecture: Hamacher, kye haung

PROGRAMMING & DATA STRUCTURES AND ALGORITHMS:

1. Data structure : A. S. Tanenbaum, J.D. Ullman
2. Data structures and algorithms – Horowitz, Sahani
3. Algorithm analysis and design: T.h.cormen, Anne levitin

THEORY OF COMPUTATION:

1. Theory of computation: Peter linz, J.d. ullman, Papadimitriau
2. K.L.P Mishra & N. Chandrasekharan – “Theory of Computer Science”, PHI

COMPILER DESIGN:

1. Compilers: Principles, Techniques, and Tools (2nd Edition) – Alfred V. Aho, Monica S. Lam, Ravi Sethi, Jeffrey D. Ullman

OPERATING SYSTEM:

1. Operating system: w. stallings, Galvin, a. s. Tanenbaum
2. Operating Systems – Silberschatz
3. The design of Unix operating system – Maurice J. Bach

DATABASES:

1. Databases Management System – H.H. KORTH, NAVATHE
2. DBMS – C.J. Date

COMPUTER NETWORKS:

1. A. S. TANENBAUM, W.STALLINGS
2. Forouzen

INFORMATION SYSTEMS AND SOFTWARE ENGINEERING:

1. Software Engineering – Pressman

GRAPH THEORY: NARSHIMA DEO

Practice set in CS : MCQ in Computer Science – Timothy Williams

For Engineering mathematics syllabus visit next page.