COMPUTER SCIENCE AND IT CHARTS

No. LIST



Size: 20"X26"



Laminated and Attached with Strips

Laminated and Framed on Board



UPCOMING ADVANCE TOPICS

Size: 20"X26"Laminated and Attached with Strips

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Advance topics in Programming

CH 2801	 NET Technologies
CH 2802	Java features
CII 2002	MATELAD E 1

MATLAB Fundamentals CH 2803

CH 2804 J2ME

CH 2805 Compiler Design

Advance Topics in Database Technologies

CH 2811	Big Data Concept
CH 2812	Data Mining
CH 2813	Data Warehousing
CH 2814	ORACLE System
CH 2815	MYSQL

Advance web Technologies

	on recimion gres
CH 2821	LAMP Technologies
CH 2822	Web Browsers
CH 2823	E-Commerce
CH 2824	PHP
CH 2825	HTML Fundamentals
CH 2826	Web Servers

Advance Computer Communication Technologies

C11 2 000	Worlding of Internet
CH 2831	Cluster Computing
CH 2832	Network Security
CH 2833	Stenography
CH 2834	Hacking and Attacking
CH 2835	Networking Simulator (NS2)
CH 2836	Distributed Computing
CH 2837	Mobile Computing

Working of Internet

Latest Trends in Computing

CH 2830

CH 2841	Neural Networks
CH 2842	Fuzzy Logic Concepts
CH 2843	Biometric System concepts
CH 2844	Cloud computing
CH 2845	Image Processing
CH 2846	Open Source Technologies
CH 2847	Android Operating Systems
CH 2848	Natural Language Processing

Dbios COMPUTER/ IT Charts

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COMPUTER HARDWARE CHARTS

COMPUTER HARDWARE CHARTS				
CH 2180 CH 2181 CH 2182 CH 2183 CH 2184 CH 2185	IDE INTERFACE HARD DISK DRIVE COMPUTER POWER SUPPLY CD ROM DRIVE PC PORTS & CONNECTORS SEMI CONDUCTOR MEMORIES	CH 2186 CH 2187 CH 2188 CH 2189 CH 2190 CH 2191 CH 2192	PC MOTHERBOARDS SCSI INTERFACE FLOPPY DISK DRIVE - ARCHITECTURE & WORKING PC KEYBOARDS PC MOUSE	
	BASIC CON	MPUTER		
CH 2101 CH 2102 CH 2103 CH 2104 CH 2108 CH 2109 CH 2125 CH 2126	SUMMARY OF DOS COMMANDS DOS COMMANDS AUXILLARY STORAGE DEVICES MEMORIES INPUT DEVICES OUTPUT DEVICES TYPICAL TELNET & FTP COMMANDS OOPS FEATURES	CH 2121 CH 2122 CH 2123 CH 2124 CH 2127 CH 2128	FUNDAMENTALS OF 'C'-II FUNDAMENTALS OF 'C'-III PROGRAMMING LANGUAGE	
	DATA BASE MANA	AGEMEN'	T SYSTEM	
CH 2114 CH 2131 CH 2132 CH 2133	DATA MODELS DBMS ARCHITECTURE DATA BASE SYSTEM vs FILE SYSTEM ENTITY RELATIONSHIP DIAGRAM	CH 2134 CH 2135 CH 2136		
	NETW	ORKING		
CH 2105 CH 2106 CH 2107 CH 2110	OSI MODELS HUB/SWITCH NETWORK TOPOLOGIES MODES & FORMS OF DATA TRANSMISSION	CH 2111 CH 2112 CH 2113 CH 2141	TYPES OF COMPUTER NETWORKS	
A FEW PREVALENT SOFTWARES				
CH 2115 CH 2116 CH 2117	MICROSOFT WORD MICROSOFT EXCEL MICROSOFT POWER POINT	CH 2118 CH 2119	THE VISUAL BASIC IDE THE TOOL BARS OF VB	
	SOFTWA	RE ENGO	5.	
CH 2145	SOFTWARE LIFE CYCLE MODELS	CH 2146	SOFTWARE TESTING TECHNIQUES	
	OPERATI	NG SYSTE	EM	
	OS COMPONENTS & FUNCTIONS LINUX COMMANDS CPU SCHEDULING ALGORITHMS		DEADLOCK MANAGEMENT PROCESS MANAGEMENT	
	ARTIFICIAL I	NTELLIG	GENCE	
CH 2156 CH 2157 CH 2158	MAJOR COMPONENTS OF ARTIFICIAL INTELLIGENCE SYSTEM ARCHITECTURE MAJOR ROBOT COMPONENTS	GENCE		

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COMPUTER GRAPHICS

CH 2161	GEOMETRIC TRANSFORMATIONS	CH 2165	PLANAR PROJECTIONS
CH 2162	LINE DRAWING ALGORITHMS	CH 2166	CLIPPING ALGORITHMS
CH 2163	CIRCLE DRAWING ALGORITHMS	CH 2167	WINDOWING TRANSFORMATIONS
CH 2164	ELLIPSE DRAWING ALGORITHMS		

DATA STRUCTURES

CH 2171	FUNDAMENTALS OF DATA STRUCTURES	CH 2174B	LINKED LISTS-II
CH 2172	STACK DATA STRUCTURE	CH 2175	TREE DATA STRUCTURES
CH 2173	QUEUE DATA STRUCTURE	CH 2176	SEARCHING TECHNIQUES
CH 2174A	LINKED LISTS-I	CH 2177	TYPICAL SORTING TECHNIQUES

Dbios COMPUTER PIONEERS

Size: 12"X18"Laminated and Framed on Board Size: 20"X26"Laminated and Framed on Board

DCP 48

DCP 49

DCP 51

DCP 52

Sabeer Bhatia

Allen Mathison Turing

Mark Elliot Zuckerberg

Margaret Cushing

Grady Booch Ted Codd

	PIONEERS	CONTRIBUTIONS	
SCP 61	Charles Babbage	Father of Computer	
SCP 62	Blasis Pascal	First Mechanical Calculator	
SCP 63	Ada Augusta	The First programmer	
SCP 64	William (Bill) H. Gates	Founder of Microsoft	
SCP 65	Thomas J Watson	Founder of IBM	
DCP 11	John Cocke	The concept of the Reduced Instruction Set Co	omputer (RISC).
DCP 12	Douglas C. Engelbart	In Developing the Mouse as a Input Device,	
DCP 13	Bob Frankston	Advancing the utility of Personal Computers	
DCP 14	Carver Mead	Pioneering the automation, methodology and t	teaching of integrated circuit design.
DCP 15	Ken Olsen	For his introduction of the Minicomputer.	
DCP 16	Pickette Wayne D	Inventor of the Principle of CPU on Chip	
DCP 17	Dr. Vinton G. Cerf	Father of internet	
DCP 18	Robert Elliot Kahn	Developed the TCP/IP	
DCP 21	Ken Thompson	The Unix Operating System, and for developm	nent of the c Programming Language.
DCP 24	Paterson Tim	Developer of DOS	
DCP 25	Dennis Ritchie	Pioneered the C Programming Language	
DCP 26	Bjarne Stroustrup	Pioneered the C++ Programming Language	
DCP 27	James Gosling	Developed the Java Programming Language	THOMAS JOHN WATSON, St.
DCP 28	Brendan Eich	Creator of Java Script	
DCP 29	Larry Ellison	In Developing Oracle	
DCP 31	William (Bill) Coleman	Pioneer of Symantec	TELEPHONE HILL
DCP 32	Michael Saul Dell	Founder of Dell	CREEKEE L. CHERREE
DCP 33	Mr. Raj Saraf	Founder of Zenith Computers	1110
DCP 34	Azim Prem Ji	Founder of Wipro Computers	
DCP 35	N. R. Narayana Murthy	Founder of Infosysys	
DCP 36	Ratan Tata	Founder of TCS	
DCP 38	Shiv Nadar	HCL Ltd.	
DCP 39	Flint Charles Ranlett	Founding Father of IBM	
DCP 40	Jason Allen	Co-Founder of Microsoft	0.00.74, 70.94-20.96.70.76561
DCP 41	Gordon E. Moore & Robert Noyce	Founder of INTEL	 BARCHURE: An Incl. of the control of t
DCP 42	Andy Grove	Founder and Growth of INTEL	ANOTHER to the first of the first of the second for the second of the second of the first of the
DCP 43	William Hewlett and David Packard	Founder of HP	(ESAS OF ISSA "Assigns" of near the Composition Selection (According Composition CVV) or May 1, 101-4. When V selection is a great of the property from a large Selection Selection (SES) in composition (SES).
DCP 44	Steve Jobs	CEO & Founder of Apple Computers	INTERIOR BASE Company on the Company Resource Companies Company (CVIII) or the CLUB A More company on the Club A More company of the Club A More company on
DCP 45	Steve wozniak	Co-Founder Apple Computer	and the contributed to say attending an interest of the contributed operation of the first last of the contributed of a contributed of the contrib
DCP 46	Jerry Yang & David Filo	Yahoo.com	of the first increase discussions will be the receipt Aury Walton of various disclaims of the property where he processes the selection of Current C. Depressors proprieties.
DCP 47	Larry Page and Sergey Brin	Google.com	Course for the control of the control of the course of the
DCD 40	Cohoor Photio	Hotmail com	Country of the first and of Engineering and Age that definition in committee of Thomas I Watcom Ser

Hotmail.com

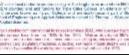
SQL Server

Facebook

ebay

Developing the Unified Modeling Language

The Turing Bombe Rebuild Project



SCP 65

COMPUTER PIONEERS

Dbios μ P CHARTS

on White Rexine with Plastic Roller:

MICRO PROCESSORS

CH 1509 8086 PIN-LAYOUT & ARCHITECTURE **CH 1550 8050 INTERRUPTS** CH 1513 8255A THE PROGRAMMABLE PERIPHERAL CH 1545 8086 INSTRUCTION SET **INTERFACE** CH 1545A 8086 INSTRUCTION SET CH 1514 8155 & 8755: THE PROGRAMMABLE DEVICE CH 1510 8085 BLOCK DIAGRAM CH 1515 8279: THE PROGRAMMABLE CH 1511 8085 PIN LAYOUT & SIGNAL REPRESENTATION KEYBOARD/DISPLAY INTERFACE CH 1512 8085 SET INSTRUCTION CH 1516 8254 & 8259A: THE PROGRAMMABLE INTERNAL TIMER & INTERRUPT CONTROLLER

MICRO CONTROLERS

CH 1541 8051 ARCHITECTURE & PIN LAYOUT

Size: 30"X40"

CH 1542 8051 BLOCK DIAGRAM

CH 1543 8051 INSTRUCTION SET

CH 1544 8051 SFR: SPECIAL FUNCTION REGISTERS

Dbios COMPUTER HISTORY CHARTS

Size: 20"X26"Laminated and attached with Strips Size: 20"X26"Laminated and Framed on Board

DCH 01 Early Generation Computer DCH 02 First Generation Computer

DCH 03 Second Generation Computer: Transistor DCH 04 Third Generation Computer: Post 1960's

DCH 05 History of Internet

(Dbios) MADE DBMS EASY

Free CD Rom Version: ₹950/-

On the Purchase of 50 Charts

History of Internet

DCH 05

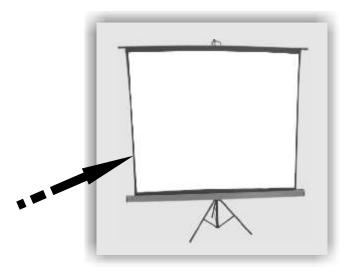
PROJECTION SCREEN

PROJECTION SCREEN (WALL HANGING):

Size 120x130cm.

PROJECTION SCREEN (TRIPOD MODEL):

Size 120x130cm.









O.H.P. Transparencies Version : - (Set of 160 Transparency)

CD Rom Version:

Print Out (Transparency) + CD Rom:

Unit I Introduction to Detahase Systems Un			Introduction to Onew Languages
1.1	-I Introduction to Database Systems What is DBMS?	5.1	Introduction to Query Languages Overview of RDBMS
1.1	Advantages of DBMS over file processing systems		- · · · · · · · · · · · · · · · · · · ·
1.3	Various views of database	5.2	CODD'S 12-Rules
1.4	Data independence	5.3	Concept of Keys
1.5	Database Languages	5.4	Structured query language (SQL)
1.6	Database users	5.5	SQL components
1.7	Responsibilities of Database Administrator	5.6	CREATE Table command
1.8	Data base Models	5.7	ALTER Table command
1.9	Hierarchical Model	5.8	INSERT command
	Network Model	5.9	UPDATE command
1.11	Network Model-Merits& demerits.	5.10	DELETE command
1.12	Three levels architecture of Database system.	5.11	SELECT command
	History of databases.	5.12	DISTINCT clause
1.14	Database applications	5.13	BETWEEN clause
1.15	Disadvantages of using a DBMS	5.14	IN clause
		5.15	ORDER BY clause
Unit	-II Entity -Relationship model	5.16	GROUP BY clause
2.1	Introduction	5.17	HAVING clause
2.2	Components of E-R Model	5.18	Data types in SQL
2.3	Types of Attributes	5.19	SQL Functions
2.4	Relationships	5.20	SQL functions(contd)
2.5	Mapping Constraints	5.21	SQL operators
2.6	Cardinality Ratio	5.22	JOIN operations
2.7	Participation Constraints	5.23	JOIN operation(contd.)
2.8	Symbols for E-R Diagrams	5.24	PRIMARY KEY constraints
2.9	E-R diagram Methodology	5.25	UNIQUE KEY constraints
	E-R diagrams-Example	5.26	FOREIGN KEY constraints
2.11	E-R diagrams-Example	5.27	CHJECK constraints
2.12	E-R diagrams-Example	5.28	DCL Commands
		5.29	Indexes
Unit	-III File Organization for database systems	5.30	Subquery
3.1	What is File Organization for Databases?	5.31	views
3.2	Access Methods & Types	5.32	Views(contd)
3.3	Sequential Access	5.33	Sequences
3.4	Direct files Method	3.33	Sequences

- 3.4 Direct files Method
- 3.5 Hashing & its types
- Hashing techniques (contd) 3.6
- 3.7 Hashing techniques (contd)
- 3.8 Indexed sequential file Access method
- 3.9 Inverted File organization
- 3.10 Inverted File organization(contd)
- 3.11 B-trees Index files
- Factors for selecting File organization. 3.12

Unit-IV Relational Model

- Relational Model 4.1
- 4.2 Properties of Relations
- Relational Algebra 4.3
- 4.4 Selection operation
- 4.5 Projection operation
- Set operations 4.6
- 4.7 Cartesian Product operation
- 4.8 Rename operation
- 4.9 Division operation
- Join operation 4.10
- Examples: join operations 4.11
- Tuple Relational calculus
- 4.13 Domain Relational calculus



PL/SQL

Triggers

PL/SQL(contd)

5.34

5.35

5.36





Obios made DBMS easy

O.H.P. Transparencies Version: (Set of 160 Transparency)

CD Rom Version:

Print Out (Transparency) + CD Rom:

Unit-VI Database Normalization

- 6.1 Normalization
- 6.2 Modification Anomalies
- 6.3 Functional dependencies
- 6.4 Normalization Process
- 6.5 First Normal Form- 1NF
- 6.6 Second Normal form-2NF
- 6.7 Third Normal Form-3NF
- 6.8 Boyce-Codd Normal form-BCNF
- 6.9 Decomposition and MVD
- 6.10 Multivalued Dependencies- 4NF
- 6.11 Join-Dependencies-5NF
- 6.12 Domain Key Normal Form

Unit-VII Introduction to Concurrency control

- 7.1 Transactions
- 7.2 ACID properties of transactions
- 7.3 Transaction Logs
- 7.4 Transaction schedules
- 7.5 Transaction schedules (contd.)
- 7.6 Recoverability
- 7.7 Serializability
- 7.8 Testing for Serializability
- 7.9 Concurrency problems
- 7.10 Concurrency problems (contd.)
- 7.11 Techniques for concurrency Control
- 7.12 Locking Mechanism
- 7.13 Shared/ Exclusive Locks
- 7.14 Two phase locking
- 7.15 Deadlock
- 7.16 Concurrency control using time stamp ordering
- 7.17 Thomas's Write Rule
- 7.18 Multi-version concurrency control techniques
- 7.19 Multi-version technique based on Time stamp ordering

Unit-VIII Database Backup, Recovery and Security

- 8.1 Database Backup
- 8.2 Types of Backups
- 8.3 How to backup database
- 8.5 Database Recovery
- 8.5 Causes of Failure
- 8.6 Recovery Concepts
- 8.7 Backup facility
- 8.8 Journalizing facility
- 8.9 Recovery using deferred update
- 8.10 Recovery using immediate update
- 8.11 Shadow paging
- 8.12 Database security
- 8.13 Data security risks
- 8.14 Data security issues
- 8.15 Dimensions of security
- 8.16 Database security systems
- 8.17 Database security systems(cont'd)
- 8.18 System Viability Factors

Unit-IX Advance Database systems

Section1: Distributed databases

- 9.1 Distributed databases (DDBMS)
- 9.2 Types of DDBMS
- 9.3 Local vs. Global transactions
- 9.4 Data Replication
- 9.5 Data Fragmentation
- 9.6 Merits & Demerits of DDBMS

Section2: Object oriented databases

- 9.7 Object oriented databases (OODBMS)
- 9.8 Approaches to OODBMS
- 9.9 OODBMS Features
- 9.10 Merits & Demerits of OODBMS

Section3: Parallel databases

- 9.11 Parallel databases
- 9.12 Speed-up & scale-up
- 9.13 Interconnection Network architecture
- 9.14 Parallel Database architecture

Section4: Data mining

- 9.15 Data Mining (DM)
- 9.16 Scope & Goals of data mining
- 9.17 Knowledge discovery in databases (KDD)
- 9.18 How Data mining works?
- 9.19 Data mining applications & tools.

Section5: Data warehousing

- 9.20 Data warehouse (DWH)
- 9.21 Features & advantages of DWH
- 9.22 Data warehouse process & Applications.

