

B.Sc – Information Technology**SEMESTER - 1**

Paper No	Subject	Contents Of Syllabus
Paper - I	Introduction to Computers - I	What is a computer History of Computing Hardware 1801: Punched Card Technology History of Computing Computer programming Central Processing Unit Micro processing
Paper - II	Communication skills - I	What is communication Communication skills Business Communication Other types of Communication What is Science Communication? Strategic Communication Technical Communication
Paper - III	Computer Mathematics - I	Elementary Computer Mathematics Introduction to Matrices Differentiation Integration – Different Methods
Paper - IV	IT Trends - I	Electronic Business Electronic Commerce E-supply Chain Management Supply Chain Management eCRM Virtual Reality Artificial Intelligence Expert System
Paper - V	Digital Electronics - I	Digital Electronics Number systems Boolean Algebra Logic Gates

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Paper No	Subject	Contents Of Syllabus
Paper - I	Introduction to Computers - II	Micro processing CPU Design Control Unit Computer Data Storage Input/output Personal Computer Hardware Computer Software
Paper - II	Communication skills - II	Professional Communication Some realms of Communication and their theories Development Communication Information Semiotics Branches and Fields of Communication Theories, Schools and Approaches to Communication
Paper - III	Computer Mathematics - II	Numerical Integration Measures of Central Tendency Measures of Dispersion Moments, Skewness and Kurtosis
Paper - IV	IT Trends - II	Data Warehouse Data Mining Mobile Commerce Geographic Information System Wireless Bluetooth Integrated Services Digital Network Wi-Fi Electronic Data Interchange
Paper - V	Digital Electronics - II	Arithmetic Circuits Flip-Flops Memories

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Paper No	Subject	Contents Of Syllabus
Paper - I	Financial Accounting - I	Accounting Installing Tally ABC of Company Company Features Tally Screen Components Configuration Budget Job Costing Reports Accounts Groups & Ledgers
Paper - II	Data Structures - I	Data Structures Introduction to Data Structures and Algorithm Design Linear Data Structures I-Arrays Linear Data Structures II – Introduction to Linked Lists Linear Data Structures III – Stacks and Queues Sparse Matrices Non- linear Data Structures I – Trees
Paper - III	Operating Systems - I	Operating System Functions and Classification of Operating System Process Management Memory Management Virtual Memory
Paper - IV	DBMS - I	An overview of DBMS and DB system Architecture The Normalization Process The Entity- Relationship Model Interactive SQL Viewing the Data
Paper - V	Object Oriented Programme - I	Object Oriented Programming Introduction to C++ Programming Introduction to Functions
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Paper No	Subject	Contents Of Syllabus
Paper - I	Financial Accounting - II	Payroll Accounting Export & import Cost Centre Foreign Currencies Interest Printing Bank reconciliation Security Control Backup & restore Inventory Practical Assignment
Paper - II	Data Structures - II	Binary Trees Non-Linear Data Structures II – Graphs Sorting Techniques Searching Techniques String Processing Storage Management and Garbage Collection Hashing
Paper - III	Operating Systems - II	File Management Disk Management Deadlock Resource Management Security
Paper - IV	DBMS - II	Sub queries and Joins Views and Indexes Introduction to PL/SQL Advance PL/SQL Database Objects
Paper - V	Object Oriented Programme - II	Classes and Objects Class Inheritance Introduction to Input/ Output Files

SEMESTER - 5		
Paper No	Subject	Contents Of Syllabus
Paper - I	Microsoft Office XP - I	Know the Windows XP Accessories and other tools Managing Files and Folders Customizing your Computer Microsoft Office XP Suite with other Office Suites Common Elements of the Suites Office Task Panes Speech and Handwriting Recognition Word Processing and Ms-Word Text Formatting Document Formatting
Paper - II	RDBMS with Oracle - I	Database Management system Relational Database Management System Relational Database Management System Listing Oracle Database (Oracle RDBMS) Oracle Architecture SQL*Plus Oracle SQL Developer Oracle Corporation Corporate Acquisitions by Oracle Corporation Oracle Applications Oracle Certification Program
Paper - III	Internet and E-commerce - I	Internet as a Global System Internet Capitalization Conventions History of the Internet Internet Protocol Suite Internet Governance English as the Lingua Franca of Computing Unicode Sociology of the Internet World Wide Web History of the World Wide Web
Paper - IV	Systems Analysis - I	System Analysis and Design System Concepts System Development life cycle Feasibility Analysis System Analysis – Information Gathering
SEMESTER - 6		
Paper No	Subject	Contents Of Syllabus
Paper - I	Microsoft Office XP - II	Tables and Graphics Mail, Merge, Views, Templates and Wizard Spreadsheets and MS Excel Worksheet Formatting Function and Operator Chart and Web Object Presentation, Package and Ms-Power-point Text Formatting in Slides Table, Chart and other Drawing Objects Slides, Views, Notes, Handouts Outlook Express
Paper - II	RDBMS with Oracle - II	Comparison of Relational Database Management System Comparison of Database tools Object Database ERP Software Packages Oracle RDB Open VMS PL/SQL Cursor in the Database Packages Interator Database trigger Oracle Advanced Security Oracle DBA, Database Questions

Paper - III	Internet and E-commerce - II	<ul style="list-style-type: none"> Ajax Programming Web Standards Web Accessibility Web Design Web Hosting Service Electronic Mail (E-Mail) Electronic Commerce Enterprise Content Management Instant Messaging Usenet Messaging Online Shopping
Paper - IV	Systems Analysis - II	<ul style="list-style-type: none"> Structured Analysis Software Design Input / Output and Forms Design Software Testing Software Implementation and Maintenance
Paper - V	Dissertation	