

SYLLABUS FOR INFORMATION TECHNOLOGY (Diploma)

PAPER-I

UNIT-I: Basic of Information and Technology

- 1.1 Introduction
- 1.2 What is Information Technology
- 1.3 Data, Instruction and Information
- 1.4 Properties and Scope of Information
- 1.5 Information Economics
 - 1.4.1 Cost of Information
 - 1.4.2 Value of Information
- 1.6 Information System
- 1.7 Types of Information Systems
 - 1.7.1 Office Automation System
 - 1.7.2 Transaction Processing System
- 1.8 Types of Information computing Models
 - 1.7.1 File/Server
 - 1.7.2 Client/Server

UNIT-II: I.T Law and Practice

UNIT-III: Computer Graphics

- 1.1 Introduction
- 1.2 How the Graphics works?
- 1.3 Display Devices
- 1.4 Raster-Scan CRT
- 1.5 Scan Converting Polygons
- 1.6 Clipping
- 1.7 Two dimensional clipping
- 1.8 Clipping other Graphic Entities
- 1.9 Polygon clipping
- 1.10 Mouse

UNIT-IV: XML

- 1.1 XML Introduction
- 1.2 What is XML
- 1.3 Why XML?
- 1.4 Basic XML Rules
- 1.5 Creating XML Documents
- 1.6 What is an XML Name Space?
- 1.7 XML and Style Sheets
- 1.8 XML Architecture
- 1.9 XML Documents
- 1.10 XML Development Tools.

PAPER-II

UNIT-V: MS Windows XP

- 1.1 Introduction
- 1.2 Features of windows XP
- 1.3 Windows XP Installation
 - 1.3.1 Preparation before installation
 - 1.3.2 Performing a clean installation
- 1.4 Activating windows XP
- 1.5 Installing a program under windows XP
- 1.6 Windows XP user interface

UNIT-VI: Window Based Application

- 1.1 Introduction
- 1.2 Windows Accessories
- 1.3 Control Panel
- 1.4 Multi-Tasking
- 1.5 Features of Windows

UNIT-VII: Networking

- 1.1 Introduction of Networking
- 1.2 Evolution of Computer Networks
- 1.3 Advantages of networking
- 1.4 Kinds of computer Networks
- 1.5 Cost/Benefit Analysis of Network use
- 1.6 Red Hat (Linux)

UNIT-VIII DBMS, VB, ORACLE

- 1.1 Introduction to DBMS
- 1.2 Data Processing Requirements
- 1.3 Information]
- 1.4 Data Capture
- 1.5 Data Classification
- 1.6 Data Storage
- 1.7 Data Arranging
- 1.8 Data Maintenance
- 1.9 Data Verification
- 1.10 Data Coding
- 1.11 Data Editing
- 1.12 Data Transcription
- 1.13 Data Transmission
- 2.1 Data Flow Diagrams
- 2.2 Data ER Model
- 2.3 Data Base Planning
- 2.4 Data Base Design
- 3.1 VB (Visual Basic-Introduction)
- 3.2 Loading Visual Basic
- 3.3 Quitting VB
- 4.1 ORACLE
- 4.2 ORACLE Tools
- 4.3 ORACLE Features
- 4.4 ORACLE File Structure
