

UNIVERSITY COMPUTER CENTRE

KHANDARI, CAMPUS AGRA

SYLLABUS FOR ADVANCED DIPLOMA IN INFORMATION TECHNOLOGY (ADIT)

FIRST SEMESTER

1.1 Computer Fundamental

Introduction to Computers, Classifications of Computers, Advantages and limitations of Computers, Basic Computer Architecture, Primary Storage Devices, Secondary Storage Devices , Application Software, System Software, General Purpose Software /utilities, Windows, Word Processing Concepts, MS-Word, Excel, Power Point .

1.2a Office Automation

Basic Accounting Concepts, Tally Software.

1.2b E-commerce

Type of E-commerce, EDI, EFI, Intranet, Extranet, Mobile Commerce, Types of Electronic Payment.

1.3 Programming in C++

(Introductory Concepts), Object Oriented Programming concepts.

1.4 Practical based on one of the above subjects.

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SECOND SEMESTER

2.1 DBMS

Basic Concepts of DBMS, Data Processing, Structure of DBMS, Database handling, Database structures, Database Modelling, Ms Access overview & Package handling, SQL/Mode, Data base Components, Database Administrator.

2.2 Networks

Networking Concepts, Computer Networks, Classification of Networks Components of Network, Network Topologies, Transmission, Technologies. Transmission Protocols, LAN, Client/Server Technology VPN, Broad band Networks (ISDN). Types of servers, What is Data centre, Network Security, Network Planning of network concepts, hardware & Software, Concept of Network Management WiFi, bluetooth, VPN, Principles of Web Designing.

2.3 Internet

Online Entry, Direct Data Entry, Introduction to Internet, E-mail, SMTP, HTTP, P.O.P Telnet, FTP, Introduction to World Wide Web Browsers, Web site, Types of websites, CGI, HTML, DHTML, XML, Javascript, PHP.

2.4 Practical based on one of the above subjects.

2.5 Project Work