

**B.Com. III
Semester V
Internet and World Wide Web - I**

Time : 3 Hours

Marks: 0 Theory

Objective : The course aims at familiarizing the students with the basic concepts and ground rules of Internet and the various services it offers including designing of website and how to access information from depositories in the world wide web.

Unit I:

1.1: Network: Meaning of Network, Types of Network Topologies: Bus Topology, Ring Topology, Star Topology, Mesh Topology, Tree Topology, Hybrid Topology

1.2: Types of Networks: Local Area Network (LAN), Metropolitan Area Network (MAN), Wide Area Network (WAN)

1.3 : Network Model: Peer to Peer Network, Server based Network

Unit II:

2.1 : Internet : Concept, Uses of Internet, essential components for internet

2.2 Internet Enabled Services: Usenet & News group, File Transfer Protocol, Internet Relay Chat, Frequently asked question

2.3 : The mechanism of the internet: Internet protocol suite, protocol stack, TCP/IP protocol model

2.4 : Open System Interconnection Reference Model (OSIRM): Application Layer, Presentation Layer, Transport Layer, Network Layer, Data-link layer and Physical Layer, and Application Layer, mechanism transmitting the message across the network and functions of each layer, processing data at the destination.

Unit III:

3.1: Electronic Mail : Procedure for creating new email ID , signing in to created email ID , sending email, meaning of BCC and CC, procedure to send attachment through email, deleting email.

3.2: Gmail: Uses and features of Gmail, components of Gmail

3.3: Password: meaning of password, how to create strong password, where password is use on internet.

3.4: Captcha : Meaning of Captcha, why and where Captcha is used, how Captcha is created.

Unit IV:

4.1: The World Wide Web Consortium (W3C): Origin and Evaluation , standardizing the web, W3C members, W3C recommendations.

4.2: Architecture of world wide web, exploring the world wide web, procedure of browsing and searching

4.3: Website: Meaning of Website, web page and home page, features of webpage, Meaning of portal, Address-URL, hyperlink

Unit V:

5.1 Designing Website/ Webpage: HTML: Concepts,features, advantages and limitations, versions of HTML Naming scheme for HTML document

5.2: Explanation of Structure of the home page, HTML Basic Tags, Formatting Tags, and Hyperlink tags, Table Tag, Image Tag, Forms Tags,

Note: For practical:1 Mail account opening, mail send & delete, Creation of web-page by using HTML tags in Note Pad/ Word Pad.2 Practical batch will be 20 students

