

**PAPER XVII - INTERNET PROGRAMMING**

**UNIT - I**

Basics of Internet communication - Hardware elements associated with internet-  
Internet Services - Internet Protocols – TCP/IP, UDP, HTTP – Other Protocols –  
Telnet-  
Gopher- Mail and its types- FTP - Remote access - Web Indices – Search  
Engines

**UNIT – II**

Introduction to HTML- Tags and Documents- Link documents using Anchor  
Tags– Images and Pictures – Tables – HTML Forms- Frames – Framesets.

**UNIT - III**

Introduction to Scripting – Java Script – Data types – Operators – Variables –  
Conditional Statements – Functions – Objects – Document object– Window  
Object – Event Handling – Introduction to VBScript and Perl Script.

**UNIT – IV**

Introduction to XML – Well formed XML- CSS- XSL- Valid XML- DTD- XSD-  
Introduction to DOM and SAX Parsers.

**UNIT - V**

Introduction to Dynamic Web Applications: Server Side Scripting basics –  
Server Side Scripting Languages – PHP Scripting - General Syntactic  
Characteristics – Primitives, operations and expressions – Control Statement –  
Arrays – Functions – Pattern Matching – Form Handling – Files – Cookies –  
Session Tracking – Database access with PHP and MYSQL

**TEXT BOOK(S)**

1. Deitel & Deitel “Internet and WWW – How to program? Pearson Education, 2005. (Units I, II and III)
2. Programming the WWW, Robert W Sebesta, Pearson Education (Unit V)
3. Beginning XML, David Hunter et al., Wrox publications 2000. (Unit IV)

**REFERENCE BOOK(S)**

1. Daniel C. Lynch, Marshall T. Rose. Internet systems Handbook”, Addison Wesley 1993.