

Semester-VI
Web Technology (IT-6002)

Course Code	IT-6002	Credits-4	L-3, T-1, P-0
Name of the Course	Web Technology		
Lectures to be Delivered	52 (1 Hr Each) (L=39, T=13 for each semester)		
Semester End Examination	Max Marks: 100	Min Pass Marks: 40	Maximum Time: 3 hrs
Continuous Assessment (based on sessional tests (2) 50%, Tutorials/Assignments 30%, Quiz/Seminar 10%, Attendance 10%)			Max Marks: 50

Instructions

- For Paper Setters:** The question paper will consist of five sections A, B, C, D and E. Section E will be Compulsory, it will consist of a single question with 10-20 subparts of short answer type, which will cover the entire syllabus and will carry 20% of the total marks of the semester end examination for the course. Section A, B, C and D will have two questions from the respective sections of the syllabus and each question will carry 20% of the total marks of the semester end examination for the course.
- For Candidates:** Candidates are required to attempt five question in all selecting one question from each of the section A, B, C and D of the question paper and all the subparts of the questions in section E. Use of non-programmable calculators is allowed.

Section –A

Internet: Its Architecture / Structure, Current development modes of connecting to internet, ISP, Internet addressing DNS, Hypermedia approach to seamless integration of information distribution like FTP, telnet etc, MM

Privacy & Security Topics: Digital signature, Firewalls, Encryption scheme etc.

Section B

Introduction to Web: Structure of Web pages, Basic principle of web page design and implementation guidelines, focus on communication, case of navigation within pages, Listing of site in database + directories searching method and adopted by search engine.

Server: Introduction web servers: PWS, IIS Apache Accessing & using these servers.

Section C

Techniques & Tools for Web Page Design:

- HTML /DHTML, Dream weaver, Flash, Macromedia directors.
- Java scripts: java scripts language, client and server and programming, Form and data in java script.
- Section D
- Web database & database Access issue: Middleware & current middleware, transaction processing issues capacity planning, Data transfer ratio, Recovery procedure, Reliable.

Books:

- John R Hubbard, Programming with Java, Schaum's Outline Series, McGraw Hill International edition 1999.
- Joseph L.Weber," Using Java 2 platform " prentice Hall of India Pvt Ltd, 2000.
- Chuck Musciano 7 Bill Kennedy, HTML & XHTML: The Definitive Guide, O Reilly & Associate inc, 4th edition Aug. 2000
- Ian S. Graham, XHTML 1.0 Language and design sourcebook, John Wiley & sons inc. 2000.
- Peter Rossbach, Hendrik Schreiber Java Server & services Pearson education Ltd. 2000.
- The Java developer tool kit Joshu Marketos, John Wiley and Sons, 1997.
- Java Scripts Peercell Mara
- ABC of java scripts BPB publications
- Network firewall, Kironjeet Syan, New Ridden publication.
- www.seeinf.com
- www.hackers.com
- Web Stragies
- www.unleashed
- Web Technology & Design, C. Xavier, New International Publishers, New Delhi.