

CSE- 307 F

Web Development

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Class Work : 50 Marks
Exam : 100 Mark
Total : 150 Marks

Duration of Exam : 3 Hrs.

NOTE: For setting up the question paper, question no 1 will be set up from all the four sections which will be compulsory and of short answer type. Two questions will be set from each of the four sections. The students have to attempt first common question, which is compulsory, and one question from each of the four sections. Thus students will have to attempt 5 questions out of 9 questions.

Section A

JAVA: Introduction to JAVA, Basics Data Types, Operators, Classes and Methods, Access Specifiers, Arrays, Inheritance, Polymorphism, Threads, Package and Interfaces, Exception Handling, IO Applets, Generics and Collections

Section B

Basic terms: WWW, XML, HTML, XHTML, W3C.

Descriptive markup: Meta tags for common tasks, semantic tags for aiding search, the doubling code and RDF. Separating style from structure with style sheets: Internal style specifications within HTML, External linked style specification using CSS, page and site design considerations.

Client side programming: Introduction to the JavaScript syntax, the JavaScript object model, Event handling, Output in JavaScript, Forms handling, miscellaneous topics such as cookies, hidden fields, and images; Applications.

Section C

Server side programming: Introduction to Server Side Technologies CGI/ASP/JSP., Programming languages for server Side Scripting, Configuring the server to support CGI, its applications; Input /output operations on the WWW. Forms processing, (using PERL / VBScript / JavaScript)

Section D

Other dynamic content Technologies: Introduction to ASP & JSP, Delivering multimedia over web pages, The VRML idea, The Java phenomenon-applets and Servlets, issues and web development.

Introduction to Microsoft .NET Technology and its comparison with the competing Technologies

Text Books:

1. JAVA: The Complete Reference, Herbert Schildt
2. Beginning XHTML by Frank Boumperry, Cassandra Greer, Dave Raggett, Jenny Raggett, Sebastian Schnitzenbaumer & ted Wugofski, 2000, WROX press (Indian Shroff Publ. SPD) 1st edition
3. HTML & XHTML: The Definitive Guide by Chuck Musciano, Bill Kennedy, 2000, 4th Edi.

Reference books:

- XHTML Black Book by Steven Holzner, 2000
- CGI Programming on the World Wide Web. O'Reilly Associates.
- Web Technologies By Achyut S Godbole , Atul Kahate, 2003, T.M.H
- Scott Guelich, Shishir Gundararam, Gunther Birzniek; CGI Programing with Perl 2/e O'Reilly.
- Doug Tidwell, James Snell, Pavel Kulchenko; Programming Web services, O'Reilly.
- Intranets by James D.Cimino, 1997, Jaico Publ.
- Internet and Web Technologies – Raj Kamal, 2002, T.M.H