

IT-604

B. E. (Sixth Semester) EXAMINATION, Dec., 2011

(Information Technology Engg. Branch)

WEB TECHNOLOGY

(IT-604)

Time : Three Hours

Maximum Marks : 100

Minimum Pass Marks : 35

Note : The question paper is divided into five Units. Each Unit carries an internal choice. Attempt one question from each Unit. Thus attempt five questions in all. All questions carry equal marks. Assume suitable data whenever necessary.

Unit-I

1. (i) Define the World Wide Web. What are the various features of World Wide Web ? What is the difference between Internet and world wide web ? Explain. **10**
- (ii) What is a URL ? What is the general form of a URL ? Explain the different URL schemes. **10**

OR

2. (i) What is CGI ? Which are the two methods of sending information to server using forms ? Explain them briefly. **10**
- (ii) Describe HTTP features that make caching possible in a web browser. **10**
3. (i) What is XHTML ? How is XHTML different from HTML ? List any five XHTML tags. **10**
- (ii) Why do we need a DTD (Document Type Definiton) for an XML document ? Explain with suitable example. **10**

OR

4. (i) Why is XML superior to other forms of data exchange ? How is it different from HTML ? Describe any four XML tags. **10**
- (ii) Describe the different ways that styles can be added to a page. What is

style sheet class ? What do you mean by cascading styles ? 10

Unit-III

5. (i) What is Java ? How is Java script embedded in HTML ? 6
- (ii) What do you mean by an event ? How event handling is done in Java Script? 7
- (iii) What do you understand by scope and lifetime of variables in Java ? Explain with the help of program code. 7

OR

6. (i) How are two-dimensional arrays declared in Java ? Write a program to print multiplication tables from 1 to 10 using two-dimensional arrays. 10
- (ii) Objects are created at run-time in Java. Describe what happens when an object is created ? 10

Unit-IV

7. (i) What are the considerations which should be kept in mind while designing website's information content ? 10
- (ii) Explain the different components of client side application of CORBA. 10

OR

8. (i) What do you understand by Middleware ? Explain it by giving an example. 10
- (ii) Illustrate the method of client server communication in DCOM. Explain how IDL is used for this communication. 10

Unit-V

9. (i) What is a servlet ? Explain the three methods available in Java that play an important role in the life cycle of a servlet. 10
- (ii) Write a sample HTML form and write a JSP program for receiving HTML form data. 10

OR

10. (i) Can I create XML pages using JSP technology ? 6
- (ii) How to declare instance or global variables in JSP ? 7

(iii) How do I use Java Beans components (beans) from a JSP page? 7

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