

Total No. of Questions : 10] [Total No. of Printed Pages : 3

Roll No.

IT-604

B. E. (Sixth Semester) EXAMINATION, June, 2012

(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) Web browser is used for browsing web pages. Explain major features of Internet Explorer browser of Microsoft. What is 'history' in IE ? Write steps to remove history pages from IE. 10
- (ii) What are the advantages of customization of browsers ? 5
- (iii) What is CGI ? What are the limitations in developing CGI application ? 5

Or

2. (i) What is URL ? Explain URL Syntax with example. Also explain three parts of URL. 10

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- (ii) How does the web work ? Give two examples of web servers. 5
- (iii) What is HTTP ? Explain the significance of this protocol. 5

Unit – II

- 3. (i) What is XML ? What are the differences between XML and HTML ? What are DOM and SAX ? 10
- (ii) What is JavaScript code used in an HTML document. Explain briefly the basic design rules for web page designing. 10

Or

- 4. (i) What is XML DTD (Document Type Definition) ? What is the advantage of having a DTD for an XML document ? 10
- (ii) What do you understand by 'style' ? What are the benefits of using styles compared with placing formatting directly into the text of webpage? State the different styles which can be applied to HTML document. 10

Unit – III

- 5. (i) How Java is more secured than other languages ? Also state why Java is strongly associated with the Internet ? 10
- (ii) What are Packages ? How Packages are declared and defined in Java programming language ? Write the advantages of using packages in Java programs. 10

Or

- 6. (i) Objects are created at run-time in Java. Describe what happens when an object is created. 10

- (ii) Create a class named Box with suitable parameter and compute the volume of Box. Also describe how this Box is referenced as a Type statement in Java ? 10

Unit – IV

7. (i) What is the difference between static and dynamic web pages ? Also list the steps involved in the retrieval of a dynamic web page. 10
- (ii) Explain the necessities and method for realizing DCOM and CORBA interoperability. 10

Or

8. (i) What are the three basic types of web documents ? Also explain the advantages and disadvantages of each type. 10
- (ii) What are the Internet security threats ? What constitutes a good firewall system ? 10

Unit – V

9. (i) What are the different types of directives available in JSP ? 7
- (ii) Can I create XML pages using JSP technology ? 6
- (iii) Explain the features of Java Servlet that make it more useful over CGI. 7

Or

10. (i) How does a servlet communicate with a JSP page ? How do I use a scriptlet to initialize a newly instantiated bean ? 10
- (ii) What is Java Beans ? Give its advantages. What are the various steps which are needed to create a new Bean ? 10