

B.E./B.TECH DEGREE EXAMINATIONS: APRIL/MAY 2014

(Regulation 2009)

Seventh Semester

ITY114: Web Technology

(Common To CSE/IT)

Time: Three Hours**Maximum Marks: 100****Answer all the Questions:-****PART A (10 x 1 = 10 Marks)**

1. <INPUT> is
 - a) Format tag
 - b) Empty tag
 - c) Both a and b
 - d) Meta tag
2. www is based on which model?
 - a) Local server
 - b) Client server
 - c) 3-Tier
 - d) None of these
3. Arrays can be created in JavaScript as follows:
 - a) var a1=new Array()
 - b) var a2=new Array(1,true,"yes")
 - c) var a3=[2,false,"no"]
 - d) All of the above
4. The web standard allows programmers on many different computer platforms to dispersed format and display the information server. These programs are called
 - a) Web browsers
 - b) HTML
 - c) Internet explorer
 - d) Scripts
5. XML
 - a) Can be used as a database
 - b) Cannot be used as a database
 - c) Is not a database, it is a language
 - d) Is a document
6. Document Type Declaration and Document Type Definition are
 - a) Different terms
 - b) Same
 - c) Uncertain
 - d) Depend on application
7. The functionality of a JSP is achieved in
 - a) Page bean
 - b) JavaScript
 - c) AJAX
 - d) All of the above
8. A search engine is a program to search
 - a) For information
 - b) Web pages
 - c) Web pages for specified index terms
 - d) Web pages for information using specified

search terms

9. Which of the following is not a kind of server?
 - a) File server
 - b) Database server
 - c) Time server
 - d) Transaction server
10. A control which ensures that the data in another control is in correct format is called
 - a) Verifier
 - b) Tester
 - c) Purifier
 - d) Validator

PART B (10 x 2 = 20 Marks)

11. List out the features of a web client.
12. State the differences between absolute and relative positioning of addresses in HTML.
13. Define a script.
14. What is DOM?
15. Why is XML superior to other forms of data exchange?
16. Define XSLT.
17. Discuss on the need for a session.
18. Give the importance of SOAP in a web service.
19. Identify the difference between GET and POST methods in a HTTP request?
20. Mention the significance of an URL?

PART C (5 x 14 = 70 Marks)

21. a) (i) Discuss on various HTML form elements. (7)
- (ii) Create a HTML document that gathers information for an online shopping system. Use necessary form elements and proper selections. There should be default values for the elements. Use POST method for form submission and specify the empty string for the action. (7)

(OR)

- b) (i) Compare different types of Cascading Style Sheets. (7)
- (ii) Create a style sheet with the following specifications: (7)
 - 'forest' background
 - Table captions in bold face
 - Table headers normal weight but italicized
 - 12pt serif font for td elements
 - Style of the bullets in diamond.

Create a simple HTML page and apply the above using all types of CSS.

22. a) Write a HTML program to create a registration form for enrolling in an online library system. Write a JavaScript program that validates the various form elements.

(OR)

- b) (i) Discuss on event handling in JavaScript programs? (7)
(ii) Explain the Document Tree for host objects. (7)

23. a) Explain DOM based XML processing with suitable illustration.

(OR)

- b) (i) What is XML DTD? What is the advantage of having a DTD for the XML document? (7)
(ii) How to display XML Documents in Browsers? (7)

24. a) (i) Explain various Java Web Technologies. (7)
(ii) Develop the following in any one of the above web technologies. (7)

Consider a web page with a form consisting of student details for registering in a course in a university. Allow the student to register himself by adding his data into the university database on satisfying the eligibility criteria. Display a welcome message after registration. Write the necessary code for registration, storing in the database, confirmation with simple and suitable logics.

(OR)

- b) How to create Java Web Services? Explain session tracking with an example.

25. a) Describe the features of IIS and Apache Servers. Explain their configuration in any one operating system.

(OR)

- b) Explain the commonly used web controls in ASP.NET.
