Code: CS6T2, IT6T3

III B.Tech-II Semester – Regular Examinations – April 2016

WEB TECHNOLOGIES
(Common for CSE, IT)

Duration: 3 hours   Max. Marks: 70

Answer any FIVE questions. All questions carry equal marks

1
a) Write all the HTTP Request methods and HTTP Response status codes.   7 M

b) What is the importance of online form? Briefly explain its attributes with a simple login form.   7 M

2
a) What is DHTML according to W3C? What is array in javascript and write a simple javascript program to create and access the elements of the array.   7 M

b) Write a HTML form program to handle ONBLUR, ONFOCUS, ONLOAD events.   7 M

3 What is Extensible Style Sheet Language Transformation and draw the XSLT architecture. Apply the two XSLT constructs used for extracting data from three Book XML elements where Book XML contains child elements {title, isbn, author, price}.   14 M

4

a) What is a Java Bean and the types of Java Beans? Write the advantages of Java Beans. 10 M

b) List the simple and Boolean properties of java beans. 4 M

5

a) Draw and explain in brief the JDBC architecture. 4 M

b) Write a simple java program to insert a new employee record into the SCOTT database. 10 M

6 Draw and explain the web architecture model for Servlet programming. Explain the importance of Deployment Descriptor in Servlet web application. 14 M

7 What is Request processing in programming? Explain how initialization parameters help to solve the problem of Request processing in the programming with its corresponding web.xml elements? 14 M

8

a) List the life cycle phases of JSP. What are the additional two phases that differentiates a JSP from a servlet? 7 M

b) How JSP follows Model-View-Controller Architecture? 7 M