Model Question Paper
Seventh Semester B.Tech Degree Examination

2013 Scheme

13.703 WEB APPLICATION DEVELOPMENT (F)

Time : 3 Hours        Max marks : 100

PART- A

Answer all questions. Each question carries 4 marks.

1) What is XML? Write XML file to store personal information of students.
2) What is a web application? Explain the web application life cycle.
3) What are servlets? How can servlet parameters be read?
4) What is meant by implicit JSP object?
5) What is persistence? How is persistence managed in EJB?

PART- B

Answer any one question from each module. Each question carries 20 marks.

Module 1

6 ) Write short notes on the following (20)
   a) J2EE architecture
   b) Web architecture

or

7 a) What are the steps in setting up a database environment? (6)
   b) What is the relationship among SOAP, XML and HTTP?
      Explain with examples. (7)
   c) Explain application components of J2EE. (7)

Module 2

8) Write short notes on the following.
a) JDBC API (10)

b) Advantages of servlets (5)

c) Servlets with JDBC (5)

or

9) Write a servlet to accept username and password from the user and validate it with the values retrieved from the database? (20)

Module 3

10) Design and program an online bookstore with the following features using JSP. (20)

a) User authentication

b) Book search using book title and author

c) Shopping cart

d) Billing

or

11) Write short notes on the following.

a) Error handling and debugging in JSP (10)

b) Sharing of data between JSP pages (10)

Module 4

12) What is a session Bean? What are the steps to build a stateless session bean? Give examples. (20)

Or

13) a) What are the roles of EJB container? (10)

b) Explain CORBA and RMI. (10)