

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)