



Reg. No. :

Name :

Seventh Semester B.Tech. Degree Examination, May 2014

(2008 Scheme)

08.704 : WEB APPLICATIONS DEVELOPMENT (F)

Time: 3 Hours

Max. Marks: 100

PART – A

Answer **all** questions :

1. What is a web application ? Explain the web application life cycle.
2. What is JDBC ?
3. Explain how JSP can be connected to database ?
4. What are servlets ? Explain its advantages.
5. "JSP is more convenient to program than servlet" Justify this statement.
6. What is Scriplet in JSP ?
7. What is EJB ? Name different types of EJBs.
8. What is persistence ? How persistence is managed in EJB ?
9. What is Java Message Service ?
10. Write short note on distributed objects. (10×4=40 Marks)

PART – B

Answer **any one** question from **each** Module.

Module – 1

11. Write short notes on :

a) JDBC API. 10

b) J₂EE architecture. 10

OR

12. Write a servlet to accept username and password from the user and validate it with the values retrieved from the database. 20

**Module – 2**

13. Write short notes on :
- a) Sharing of data between JSP pages. 10
 - b) Servlet to servlet communication. 10

OR

14. Design and program an online bookshop with the following features using JSP.
- a) User authentication
 - b) Book search using book title and author
 - c) Shopping cart
 - d) Billing. 20

Module – 3

15. a) Write a stateless session bean which accepts a users name from the client and shows a personalised hello message. 12
- b) How is transaction management done in EJB ? 8

OR

16. Write short notes on :
- a) EJB Ecosystem. 10
 - b) Life cycle of EJB. 10
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