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Reg. No. : .....

Name : .....

**Seventh Semester B.Tech. Degree Examination, October 2014  
(2008 Scheme)**

**08.704 : WEB APPLICATIONS DEVELOPMENT (F)**

Time : 3 Hours

Max. Marks : 100

**PART – A**

Answer **all** questions.

1. Explain web application life cycle.
2. What are the requirements of web architecture ?
3. Give a short note on Servlets.
4. How Error Handling and Debugging is done in JSP ?
5. What are stored procedures ?
6. Explain MVC design in JSP.
7. Describe the framework of EJB.
8. What are the various attributes of a bean ?
9. What is session management ?
10. Explain Stateless and statefull session bean.

**(10×4=40 Marks)**

**PART – B**

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

**Module – I**

11. a) What is J2EE ? Explain the various steps in the design and development of a J2EE application. 10
- b) Explain JDBC Architecture. 10

OR

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12. a) Explain how data Retrieval and updation is done in JDBC. 10  
b) What are the steps in setting up a data base environment ? 6  
c) Explain Scrollable Result sets in JDBC. 4

**Module – II**

13. a) Explain Servlet life cycle. 6  
b) What are the benefits using servlets ? 7  
c) How Servlets can be used as controller in MVC ? 7

OR

14. a) How will you set Implicit Object in JSP ? 10  
b) Write a simple JSP code to display date and time. 10

**Module – III**

15. a) Describe the life cycle of EJB and its attributes. 10  
b) Explain CMP. How transaction management is done in EJB ? 10

OR

16. a) Explain the following. 10  
i) CORBA  
ii) RMI  
iii) JMS  
b) What are message driven beans ? Explain about entity beans. 10
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