[2098]

M.Tech. II Semester Computer Science & Engineering (Full Time)
Examination September - 2008

Java Enterprise System

2E8905

Paper - (10CPE-26)

Time : 3 Hours

Maximum Marks : 80
Min. Passing Marks : 28

Instructions to Candidates:

Attempt any five questions marks of questions are indicated against each question
Use of following supporting material is permitted during examination

1. Write a note on :

   a) Event-Handling In Java   (8)

   b) Three Tier Client Server Architechture.   (8)

2. a) What are the advantages of Java Servlets, compare with other Web Application Technologies CGI?   (6)

   b) Describe and explain any 6 status codes that can be return by servelets to Client?   (10)

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3. a) Explain in detail :

   i) Life cycle of Servlet   (4)

   ii) Exception Handling   (4)

   b) Write down any five differences between a session Bean and an Entity Bean?(8)

4. a) What's the use of Directives in JSP? Explain any three directives with Scripting.   (4)

   b) How JSP can be more better than Java Servlets? Give proper justification with example.   (8)

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c) Write down about scope (Life) of below Implicit Objects in JSP?

   i) Request

   ii) Response

   iii) Out

   iv) Session

   v) Application   (4)

5. a) What are the various session Tracking mechanisms available in JSP? Compare all of them?   (8)

   b) Define Entity? How many types of Entity are possible in XML? Explain all.   (8)

6. a) Differentiate all the three layers in J2EE Object Model?   (4)

   b) What are the benefits of using XML Namespaces?   (4)

   c) Explain life cycle of stateful Session Bean in EJB?   (8)

7. Write note on :

   a) Multiple Inheritance and Multilevel Inheritance.   (6)

   b) Bean-Managed Persistence.   (6)

   c) Container managed Peristence.   (4)