MCS22 — ENTERPRISE JAVA PROGRAMMING

Time : Three hours　　　　　　Maximum : 75 marks

SECTION A — (5 × 6 = 30 marks)

Answer ALL questions.

1. (a) Write note on Naming and Directory services.

Or

   (b) Explain the J2EE architecture with neat diagram.

2. (a) Write down the benefits of JSP.

Or

   (b) Briefly explain the user interface components of JSF

3. (a) Explain the session bean and its types.

Or

   (b) Write down the features of EJB.

4. (a) Write note on Action servlet.

Or

   (b) Illustrate the concept of action forward in struts.

5. (a) Write note an HQL clauses.

Or

   (b) Explain the life cycle of hibernate.

SECTION B — (3 × 15 = 45 marks)

Answer any THREE questions.

6. Explain the JNDI service providers.

7. Explain the life cycle of JSF page.

8. Describe the Client Access with Interfaces in EJB.

9. Explain various types of action classes.

10. Discuss about various types of Hibernate O/R mapping.

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