PART – A (25 Marks)

1. Differentiate between MOM and RPC.

2. How does the client find its server in RPC?

3. What are the key features of the EJB technology?

4. What is validation Framework?

5. What is the meaning of in, out and inout specified before the parameter name in CORBA methods?

6. Why are language mapping a necessary part of CORBA?

7. Write sample code to create a Session Object and invalidate existing session.

8. Write steps to establish connection with JDBC.

9. Briefly explain what is IL code.

10. What is assembly in .NET framework?

PART – B (50 Marks)

11. a) Explain the servlets API in detail.
    b) Explain the session API with an example program.

12. a) What is struts Framework? Explain the flow of execution of a struts application.
    b) Write a servlet program for login validation.

13. a) Explain the architecture of MOM. How is it different from other types of middleware?
    b) What are the similarities and differences between RMI and CORBA?

14. a) List and explain any five CORBA alternatives.
    b) Why CORBA objects need to be reference counted?
    c) What are the advantages of DII over static invocation in CORBA?

15. a) Explain the architecture of EJB 3. How EJB 3 is light weight compared to EJB 2.1?
    b) What is the difference between web server and application server?

16. Draw the architecture of .NET and how does CLR execute the .NET source code? Explain the steps involved in it.

17. Write short notes on the following:
    a) Web services
    b) Cookies
    c) .NET base class libraries

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