PART – A (25 Marks)

1. What is a Web service?  
2. What is SOAP?  
3. How do you call one servlet from another?  
4. Explain best ways of overriding init()?  
5. How to load a JDBC driver?  
6. What are the differences between EJB3.0 and EJB2.1?  
7. What is the Microsoft Intermediate Language (MSIL)?  
8. Write short notes on RPC.  
9. What is the purpose of IDL?  
10. Differentiate between web server and application server.

PART – B (50 Marks)

11.a) What is SOA? What are its main benefits?  
   b) Differentiate between general middleware services and Moms.  
12. Write a servlet application to handle the following form controls  
    i) Text box  
    ii) Check box  
    iii) Radio button  
    iv) Combo box  
13.a) Compare and contrast between stateless session bean and stateful session bean.  
   b) Explain the life cycle of entity bean.  
14. Explain the following w.r.t. CORBA Architecture.  
    i) ORB  
    ii) Static Invocation  
    iii) Dynamic Invocation  
    iv) IIOP  
15.a) Explain the overview of .NET architecture.  
   b) What does "Managed" mean in .NET context?  
16.a) Write the comparisons between COM and CORBA.  
   b) Explain the important features of .NET.  
17.a) Explain the flow of STRUTS framework.  
   b) Explain the state management techniques in servlets.

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