

1. (a) What is server ? Explain in detail the classification of servers in client servers model with their characteristics pros and cons. 10  
(b) Compare and contrast RMI, CORBA and DCOM. 10
  2. (a) Explain the working of the dynamic invocation in CORBA. 10  
(b) What are the components of CORBA components model (CCM). List the advantages of CCM. 10
  3. (a) Why should we use EJB ? What are the advantages and draw backs of EJB ? 10  
(b) What are the steps involved in developing EJB ? Explain with an example. 10
  4. (a) What is Marshalling ? Explain Standard Marshalling. 10  
(b) Explain in detail the components of NET. 10
  5. (a) Explain in Service Oriented Architecture (SOA) lifecycle with a diagram. 10  
(b) List the features and functions of Enterprise Service Bus (ESB). 10
  6. (a) Describe Web Services Description Language (WSDL). 10  
(b) What are the three major elements in the Simple Object Access Protocol (SOAP) How are SOAP messages processed ? 10
  7. Write short notes on (any **four**) :— 20
    - (a) WS-Standards (WS-\*)
    - (b) COM threading Models
    - (c) RPC Middleware
    - (d) Business Value of SOA
    - (e) CORBA Applications
    - (f) Distributed Object System.
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