

31/5/2012

112-p3-4-pp-FH KL12 B

Con. 4541-12.

TE (IT) Sem VI (Rev)  
Middleware & Enterprise Int. Tech.

GN-8645

(3 Hours)

[ Total Marks : 100

**N.B. :** (1) Question No. 1 is **compulsory**.

(2) Answer any **four** out of remaining **six** questions.

1. (a) What are the challenges faced by distributed system ? 10  
(b) What do you understand by middleware ? State the advantage of ORB architecture. 10
  2. (a) Explain client-server architecture. What are its variations or types of client-server architecture ? 10  
(b) Discuss the key services provided by DCE. 10
  3. (a) State the disadvantage of standard RPC. List the characteristics of RMI. 10  
(b) How is remote CORBA object invocated ? Explain RMI in CORBA. 10
  4. (a) List the components of EJB framework. What is the purpose of EJB container ? 10  
(b) Explain DCOM and .NET framework. 10
  5. (a) Define service. How is a business servive implemented ? 10  
(b) Discuss SOA and Web Service. 10
  6. (a) How would you align business and IT using SOA ? How will you implement a WS using an agent ? 10  
(b) What are WS-standards ? Explain WS-Security Framework. 10
  7. Write short notes on any **two** :— 20
    - (a) Server types
    - (b) WS-transactions
    - (c) COM-IDL.
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