

31/5/2012
 T.E (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 invoked ? 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 service 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.