

Code No: R5410509

1

IV B.Tech I Semester(R05) Regular & Supplementary Examinations, December 2009

CLIENT SERVER COMPUTING  
(Computer Science & Engineering)

Time: 3 hours

Max Marks: 80

Answer any FIVE Questions  
All Questions carry equal marks

**KOTTAM**  
INSTITUTIONS

1. (a) Describe various corporate distributed computing models.  
(b) Discuss various benefits of client server computing. [8+8]
2. (a) Define a Package. Create your own package named JNTU.  
(b) Write a java program to implement a Thread by Extending Thread class. [8+8]
3. (a) Briefly discuss about the evolution of Web technologies.  
(b) Discuss about CORBA and JAVA Beans. [8+8]
4. Briefly explain the following in detail:  
(a) Applet life cycle management.  
(b) Portable count line.  
(c) Multi count CORBA interfaces.  
(d) HTML Applet Tag. [4×4]
5. (a) Write down the steps in compiling RMI client/server program.  
(b) Write a simple java servlet program that handles the GET request. [8+8]
6. (a) Explain BOA shared server Activation policy.  
(b) Explain the object activation scenario. [8+8]
7. (a) What is persistent Javabean .Discuss  
(b) What are bean related persistence interfaces. [8+8]
8. (a) Compare and contrast between COBRA and EJB.  
(b) Explain EJB client/server Development process. [8+8]

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1. (a) Briefly discuss about the basic building blocks of the Client/Server .  
(b) Explain functions of middletier in N-tier Architecture. [8+8]
2. (a) Explain Suspending, Resuming and Stopping threads with an example program.  
(b) Discuss various StringBufferer constructers with an example program. [8+8]
3. (a) Explain how webclient interacts with COBRA server with neat diagram.  
(b) Compare various Java/ORB'S [8+8]
4. (a) Briefly explain about the coordinator and its classes.  
(b) Briefly explain about HTML applet tag. [8+8]
5. Explain core interfaces and classes in javax.servlet Package. [16]
6. (a) Explain about CORBA introspection capability.  
(b) Explain about reflection property of java objects. [8+8]
7. Explain the java beans introspection. [16]
8. Explain EJB Packaging and Deployment classes. [16]

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1. (a) Explain about server to server middleware infrastructure with a neat diagram.  
(b) Explain the Client/Server software infrastructure. [8+8]
2. Discuss in depth about Exception Handling. [16]
3. (a) Briefly discuss about the 3-tier CORBA/JAVA Object Web.  
(b) Briefly discuss about CORBA/JAVA Standards. [8+8]
4. (a) Briefly explain the creation of namespace by a server application.  
(b) Describe about Dynamic invocation interfaces. [8+8]
5. (a) Explain java's InetAddress class in detail.  
(b) what is the anatomy involved in socket communication? [6+10]
6. (a) what is CORBA trader.  
(b) what are services provided by CORBA trader. [8+8]
7. Discuss the following terms:  
(a) CORBA Remote Events.  
(b) CORBA Containers. [8+8]
8. (a) What is CORBA OTM? List services of OTM?  
(b) Distinguish between procedural versus frame work approaches to developing code. [8+8]

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INSTITUTIONS

1. (a) Explain about server to server middleware infrastructure with a neat diagram.  
(b) Explain the Client/Server software infrastructure. [8+8]
2. (a) Discuss various Byte Streams in Java.io.  
(b) Write a Java program using AWT Menu bars and Menus. [8+8]
3. (a) Briefly explain the anatomy of CORBA Business object.  
(b) Discuss about the anatomy of a CORBA 2.0 ORB. [8+8]
4. Briefly explain the following in detail:  
(a) Applet life cycle.  
(b) Portable count CORBA application.  
(c) Multi count CORBA application.  
(d) HTML Applet Tag. [4×4]
5. Explain in detail about java.io package. [16]
6. (a) How do the new services providers register with the trader.  
(b) Explain the terms BOA,ORB,POA,OMG in detail. [4+12]
7. Discuss the advantages and disadvantages of using CORBA components versus JavaBeans. [16]
8. Explain EJB Container framework in detail. [16]