Code: IT7T5A

IV B.Tech - I Semester – Regular / Supplementary Examinations
November 2016

CLIENT SERVER COMPUTING
(INFORMATION TECHNOLOGY)

Duration: 3 hours   Max. Marks: 70

Answer any FIVE questions.   All questions carry equal marks

1. a) Write the benefits of Client/Server Computing.   7 M

   b) Categorize the application tasks and explain the distribution of processing in Client/Server model and also discuss right sizing of applications.   7 M

2. a) Explain the CORBA business objects with the help of a Car reservation system and discuss the anatomy of a Client/Server Business object.   7 M

   b) Draw and explain the 3-tier CORBA/Java object web and the players.   7 M

3. a) Draw the interaction diagrams for Client side Count and Server side Count and write a static Client/Server CORBA Count program.   7 M

   b) Explain how a browser interact with an Applet with the help of a neat sketch.   7 M

4. a) Explain the CORBA Dynamic Invocation Process and its Scenarios.   9 M

   b) Explain the Multi Count Callback scenario with a neat sketch.   5 M

5.   Write a Java program to do the following.   14 M
      Convert the Interoperable Object Reference (IOR) string to a live object reference.
      Invoke both CORBA and Java introspection methods to obtain meta data about this object and print the results.

6.   Briefly explain the CORBA IDL to Java mapping.   14 M

7. a) Explain Bound property scenario and write the Bound propertied smiley bean program.   7 M

   b) Discuss the property editing scenario and also explain the CORBA can do for Java Beans & the Java Beans can do for CORBA.   7 M

8. a) What is Object Transaction Monitor (OTM) and discuss the activities of OTM. Draw the block diagram of CORBA OTM and explain it.   6 M

   b) Discuss the EJB Client/Server Development process with the help of a neat sketch.   8 M