B.E. / B.Tech(Full Time) DEGREE END SEMESTER EXAMINATIONS NOV / DEC 2011

Department of Information Science & Technology

Seventh Semester

IT 472 Component Based Technology

Time: 3 hours   （Regulations 2004)   Max.Marks:100

(Answer All Questions)

Part – A (10 x 2 =20)

1. Define Software Component?
2. Define Callbacks?
3. What is an event?
4. What is meant by Object serialization?
5. List the two types of POA
6. What is the use ORB?
7. List the advantages of DCOM.
8. What is meant by Reflection?
9. What is a Connector?
10. List the Advantages of EJB Containers

Part – B (5 x 16 =80)

11. Explain the following with suitable example.

    i.   Interfaces and Directory services   (8)

    ii. Callbacks with example   (8)

12. **A.** i. Explain Java Beans with suitable example   (8)

    ii. What is thread? Explain the life cycle of threads   (8)

(OR)

B. Explain the Following in RMI

    a. Marshalling   **b.** Naming.lookup()   **c.** Naming.rebind()   d. Introspection   (16)

13. **A.** i. Explain the CORBA Interface Definition Language with an example   (8)

    ii. Explain Portable Object Adapter and its types   (8)

(OR)

B. Explain the following

    a. Model Driven Architecture   (8)

    b. CORBA Containers   (8)

14. **A.** i. Explain dispatch interface in DotNet (8)

      ii. Discuss Active X Controls and its use in component technology (8)

(OR)

  B. i. With neat diagram, explain the .NET framework Architecture. (10)

      ii. Explain OLE containers and servers (6)

15. **A.** Explain CLR contexts and channels. (16)

(OR)

  B. i. Explain the black Box component framework (8)

      ii. Discuss the component oriented programming with an example (8)