SATHYABAMA UNIVERSITY
(Established under section 3 of UGC Act, 1956)

Course & Branch: B.E – CSE
Title of the paper: Component Based Technology
Semester: V   Max. Marks: 80
Sub.Code: 11504 (2002/2004)   Time: 3 Hours
Date: 30-04-2008   Session: AN

PART – A   (10 x 2 = 20)
Answer All the Questions

1. Differentiate two-tier and three-tier systems.

2. What do you mean by deferred-synchronous call?

3. What is a Broker and what are the functions of it?

4. Differentiate static and dynamic invocation.

5. Why is CORBA important in a networked environment?

6. What is DII?

7. What are Holder and Helper classes?

8. Write short notes on Portable Object Adapter interface?

9. What are distributed components?

10. Differentiate CATID and CLSID?

Answer All the Questions

11. Explain the basic parts of EJB and explain how an EJB client / Server work.

(or)

12. Explain the basic types of EJB and their roles in distributed EJB application.

13. Give a detailed account on server objects garbage collection problem and concurrency in the server objects.

(or)

14. Discuss the various issues associated with the distributed objects in CORBA.

15. Explain the CORBA ORB architecture with a neat diagram.

(or)

16. Give a detailed account on Interface repository of CORBA.

17. Discuss in detail the CORBA naming services.

(or)

18. (a) What is Tie mechanism?   (2)
    (b) Explain briefly about the Portable Interceptors.   (10)

19. Write short notes on the following:
    (a) Marshalling
    (b) Free Threading
    (c) Wrapper classes.
    (d) Idispatch Interface.

(or)

20. Give a detailed account on Query interface in COM.