SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY DEEMED UNIVERSITY

Course: B.E./B.Tech.   Semester: V
Title of the paper: Component Based Technology   Max. Mark: 80
Sub. Code: 11504 (DCS) (2002)   Time: 3 Hours

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

1. Explain the term Interoperability?

2. Explain CORBA Discovering Service.

3. What is Proxy?

4. What is Multithread Broker?

5. What do you mean by Reference Counting?

6. Explain the term Marshalling.

7. What do you mean by Language Mapping?

8. Differentiate Helper & Holder Classes.

9. What is meant by Query Interface?

10. What is Factory Class?

PART – B   (5 x 12 = 60)
Answer ALL the Questions

11. Explain about the Architecture of EJB.
                         (or)

12. Write notes on
    (i)   Jave Bean
    (ii)   Remote Reference
    (iii)   IDL Interface

13. Compare the Inherent Issues of COM & CORBA object.

(or)

14. Give a detailed diagram of Broker pattern & Factory Paten and explain.

15. With a neat diagram describe the CORBA Architecture.

(or)

16. Explain about the POA Architecture.

17. Explain OMG IDL to Java Mapping.

(or)

18. Describe the CORBA Discovering Service in Detail.

19. Write detailed notes on:
    (i)   Unknown Interface
    (ii)   Class Factory Object

(or)

20. Explain about DCOM Architecture.