SATHYABAMA UNIVERSITY

(Established under section 3 of UGC Act,1956)

Course & Branch :B.E - CSE
Title of the Paper :Component Based Technology   Max. Marks :80
Sub. Code :411504   Time : 3 Hours
Date :11/11/2009   Session :FN

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

1.   Define software component.

2.   What is a proxy?

3.   Define transaction.

4.   State the salient features of event driven programming.

5.   What is IDL?

6.   What is Interoperability?

7.   List some CORBA Services.

8.   What is DII?

9.   What is COM?

10.   What is the need for Query interface?

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

11. Compare Java Beans and enterprise Java Beans. Why is Enterprise Java Beans suitable for distributed computing environment? Elaborate.

(or)

12. With suitable block diagram explain how the components interact in distributed environment.

13. Explain how garbage collection is performed on the client server environment.

(or)

14. Write in detail about issues related to transaction and concurrency in client server environment.

15. Discuss in detail about OMG Reference model.

(or)

16. Discuss in detail about ORB Structure and object interface.

17. Explain in detail about trading service. State the interfaces available in the trading service and its main use.

(or)

18. With suitable illustrations explain how a client can make invocation on unknown object using Interface repository and DII.

19. Discuss in detail about COM facilities and services.

(or)

20. What is reference counting? How is it used in COM? Discuss in detail.