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SATHYABAMA UNIVERSITY

(Established under section 3 of UGC Act, 1956)

Course & Branch: B.E-DCS

Title of the Paper: Component Based Technology Max. Marks: 80

Sub. Code: 411504

Time: 3 Hours

Date: 19/11/2010

Session: FN

PART - A

(10 X 2 = 20)

Answer ALL the Questions

1. How do you ascertain the volume of a module?
2. What is polymorphism? State the salient features.
3. What do you mean from COM interface?
4. What is dynamic linking? Where it is preferred?
5. State the guidelines and standards for component writing?
6. Define interoperability.
7. Write the salient features of CORBA.
8. What do you mean by language mapping?
9. What is a CORBA event?
10. Enumerate the applications of ORB.

PART – B

(5 x 12 = 60)

Answer ALL the Questions

11. Describe distributed objects, specifications and contracts.
(or)
12. Explain Call backs and reentrance, safety and security issues in components, with examples.
13. Write elaborately on the COM facilities and COM interface.
(or)
14. Explain the life cycle of Java Beans and brief on EJB.
15. Explain the principles of calling mechanisms and component writing standards.
(or)
16. Write short notes on:
(a) RPC (b) SOAP
17. Explain OMG, OMA and ORB structure.
(or)
18. Describe POA, D II, DSI and IR.
19. Write the salient features of Java Programming with CORBA.
(or)
20. Write short notes on:
(a) CORBA events (b) ORB run time systems.