SATHYABAMA UNIVERSITY

(Established under section 3 of UGC Act, 1956)

Course & Branch: B.E/B.Tech – CSE/IT (Dual CSE)
Title of the paper: Object Oriented Programming & Design
Semester: III   Max.Marks: 80
Sub.Code: 412306-511306-512306-6C0045   Time: 3 Hours
Date: 30-04-2009   Session: AN

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

1. What do you mean by conceptual clustering?

2. Define object.

3. Define an attribute.

4. Service – What is this?

5. What does 'this' pointer points to?

6. What is a new operator?

7. What are the C++ operators that cannot be overloaded?

8. Define inline function.

9. How are the exceptions handled in C++?

10. What does seekg and tellg functions do?

11. Explain in detail about classification?

(or)

12. Write short notes on
    (a) classes
    (b) UMI

13. Explain in brief about one current technique for object modeling?

(or)

14. Write short notes on
    (a) List the ways of identifying the attributes.
    (b) Specify the methods in object Modeling.

15. Explain Constructors and Destructors in detail.

(or)

16. What is a Friend Function? Explain with an example C++ program.

17. Explain Operator overloading. Write a C++ program to add two complex numbers by overloading the '+' operator.

(or)

18. (a) Write a C++ Program to find the area of shapes such as Square, Triangle and Rectangle using function overloading.
    (b) Write short notes on Templates.

19. (a) Write a C++ program to catch all exceptions.
    (b) Explain Virtual Functions.

(or)

20. (a) Explain with an example how constructors are called when a derived class object is created.
    (b) Explain Multiple Inheritance with an example C++ program.