

SATHYABAMA UNIVERSITY

(Established under section 3 of UGC Act, 1956)

Course & Branch: B.Tech – Bio Informatics

Title of the paper: Programming in C++

Semester: IV

Sub.Code: 422406

Date: 22-11-2007

Max. Marks: 80

Time: 3 Hours

Session: AN

PART – A

(10 x 2 = 20)

Answer All the Questions

1. Define class and objects?
2. Define Inheritance?
3. What are the benefits of OOPS?
4. Define Equality Operator in C++?
5. Give the syntax of switch statement and Goto Statement?
6. Define Constructor with suitable example?
7. Write a C++ program to find out the area of the circle?
8. What is Operator overloading?
9. Explain scope resolution operator?
10. Explain try block with syntax?

PART – B

(5 x 12 = 60)

Answer All the Questions

11. Explain the basic concepts of object oriented programming?
(Or)
12. Explain the Structure of C++ program?
13. Explain the 4 operators Boolean operators, Arithmetic operator, Equality operator and Assignment operator used in C++?
(Or)
14. Explain control statements in 'C' programming language?

15. Explain constructor?

(Or)

16. Explain Inline function?

17. Explain the types of function overloading with suitable examples?

(Or)

18. Explain Operator overloading?

19. Define inheritance? Explain single inheritance with suitable examples?

(Or)

20. Define Exceptions? Explain try block and catch block?