

# 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: 312306/412306/512306/511306/6C0045 Time: 3 Hours

Date: 21-11-2008

Session: FN

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PART – A

(10 x 2 = 20)

Answer All the Questions

1. Define class with an example.
2. What is UML?
3. Define attribute with an example.
4. List out the current techniques in OO model.
5. Can a constructor be private? Is so what it means, how to use it as a private?
6. Explain the use of friend function.
7. Define function template.
8. Can an overloaded function be default argumented?
9. Define Inheritance and list out its types.
10. What is virtual function?

PART – B  
Answer All the Questions

(5 x 12 = 60)

11. What are Class and Object? Explain with an example.  
(or)
12. What is conceptual clustering? Explain it.
13. Write about OO model traditional techniques.  
(or)
14. Write notes on methods and services? Explain with an example.
15. Write notes on
  - (a) “this” pointer with an example.
  - (b) Constructor and destrutor with an example.(or)
16. Write notes on
  - (a) New, Delete operations.
  - (b) Class member and explain three-member access specifier.
17. What is Operator Overloading? Explain with an example.  
(or)
18. What is online function? Explain with an example.
19. Explain in detail about
  - (a) Base class and Derived class with an example
  - (b) Use of Throw – Catch(or)
20. Explain briefly about File Handling.