FAIRFIELD

Institute of Management & Technology

Under the Management of 'The Fairfield Foundation'

AN ISO 9001:2000 CERTIFIED

BCA: 3rd Semester	Object Oriented Prog. using C++	Code: BCA 209

OBJECTIVE: The objective of this paper is to identify the foundation terms and concepts that are commonly used in Object Oriented Programming using C++. This course will give complete descriptions about the terms used in the Object Oriented Programming using C++.

QUESTIONS:

1. Explain the Features of Object Oriented Programming, Benefits of OOP, and Applications of OOP. Differentiate between C and C++.
2. Explain Encapsulation, Function Overloading, C++ garbage collection, dynamic memory allocation.
3. Explain Inheritance - public, private & protected, Polymorphism, Virtual Function, Early v/s Late Binding
4. Explain the templates & template functions
5. Explain the Exception Handling? What are various Types of Exception, Catching and Handling Exceptions

PROCEDURE:

For completing the assignment students should refer to the books mentioned in syllabus and they can take help from internet. The assignment should be handwritten and properly filled. Students should make assignment in the following manner:

1. Cover page
2. Objectives
3. Index
4. Content
5. Conclusion
6. References
7. Softcopy AND Hardcopy
8. Give proper headings and subheadings
9. Explain every topic in points and using diagrams.
10. Put Examples

OUTCOME: After doing this assignment, students will come to understand the important terminologies to related to the **Object Oriented Programming using C++**.

REFERENCE BOOKS:

[T1] Ashok N. Kamthane, "Object-Oriented Programming With Ansi And Turbo C++", Pearson Education.

[T2] A.R.Venugopal, Rajkumar, T. Ravishanker "Mastering C++", TMH, 1997.