

VEER NARMAD SOUTH GUJARAT UNIVERSITY, SURAT
Post Graduate Diploma in Computer Application (Evening)
Semester - III
Effective from: July - 2012

Paper No. : E301

Paper Title : Object Oriented Programming

- 1. Procedure Oriented Programming Vs. Object Oriented Programming**
- 2. Object Oriented Programming Using VB.Net**
 - 2.1. Classes and Objects
 - 2.2. Encapsulation & Data Hiding
 - 2.3. Properties
 - 2.4. Constructors
 - 2.5. Finalize & Dispose
 - 2.6. Object Serialization
 - 2.7. Abstract Classes
 - 2.8. Delegates
- 3. Polymorphism**
 - 3.1 Functional Overloading & Overriding
 - 3.2 Dynamic Polymorphism
- 4. Inheritance**
 - 4.1 Types of Inheritance
 - 4.2 Inheritance Keywords
 - 4.3 Use of Constructor during inheritance
 - 4.4 Interfaces
- 5. Assemblies**

Reference Books:

1. Object Oriented Programming with Visual Basic .Net, J P Hamilron, O'reilly
2. Object Oriented Programming with Visual Basic .Net , Alistair McMonnies, Pearson
3. An introduction to Object Oriented Programming with Visual Basic .Net, Danier R Clark
4. Mastering Visual Basic .NET Database Programming - Bilgin - BPB Publication
5. Professional VB.NET, Fred Barwell, et al - Wrox Publication
6. Microsoft Visual Basic .NET Step By Step, Michael Halvorson, PHI

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Paper No. : E302

Paper Title : Practical - VI

Practical based on Paper No: E301 (Object Oriented Concepts in VB.Net)

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Paper No. : E303
Paper Title : Project

Project of 3 months duration.