

SARDAR PATEL UNIVERSITY
Programme & Subject: BBA (Information Technology Management)
Semester: VII
Syllabus with effect from: June-2014
(Batch-2011)

Paper Code: UM07CBBI02	Total Credit: 3
Title Of Paper: Object Oriented Analysis & Design	

Unit	Description in Detail	Weightage (%)
I	Software Complexity and its Development Complex Systems and its structure – Software Complexity - Attributes of a Complex System – The Role of Decomposition – The Role of Abstraction – The Role of Hierarchy - The Evolution of the Object Model	25%
II	Object Oriented Concepts Object Oriented Programming – Object Oriented Design – Object Oriented Analysis – Elements of the Object Model - The Nature of an Object – Relationships among Objects	25%
III	Introduction to UML The Nature of a Class – Relationships among Classes - The Unified Modeling Language - Package Diagrams – Component Diagrams	25%
IV	Diagrams Deployment Diagrams – Use Case Diagrams - Activity Diagrams – Class Diagrams – Sequence Diagrams	25%

Basic Text & Reference Books:-

- Object Oriented Analysis and Design with Applications By Grady Booch Publisher: Addison Wesley
- Learning UML 2.0: By Kim Hamilton, Russell Miles, Publisher: O'Reilly
- SAMs: Teach yourself UML in 24 Hours By Joseph Schmuller, Publisher: SAMS Publishing

