

SARDAR PATEL UNIVERSITY
Programme: BBA (Information Technology Management)
Semester: II
Syllabus with effect from: November/December-2011

Paper Code: UM02CBBIO2	Total Credit:3
Title Of Paper: Programming Languages	

Unit	Description in detail	Weighting (%)
I	Computer Languages, Flowcharts and Algorithms Introduction to Computer Languages with Examples, Types of Computer Languages, What are translators?, Interpreters, Compilers & Assembler, Turbo C Editor Details, Algorithm, Flowchart, Definition, Introduction, advantages, disadvantages, Symbols used in Flowcharting, Algorithm & Flowchart examples based on: Simple problems (operations), Decision making concepts, Looping Concepts.	25%
II	Programming Basics General Structure Of C Program, Character Sets, Variables, Keywords, Constants, Symbolic Constants, Basic Data Types Like Int, Char, Float, Double, Basic Operators: Arithmetic, Relational, Logical, Assignment, Shorthand Assignment, Conditional, Increment, Decrement, I / P Functions: Scanf(), Getchar(), Getch(), O / P Functions: Printf(), Putchar(), Clrscr(), Precedence & Associativity Of Operators, Problems Based On Above Topics	25 %
III	Decision Making And Looping Concepts Decision Making Statements: Simple IF Statement, If-Else Statement, Nested If Statement, If-Else Ladder, Switch Statement, Conditional Operator, Looping Structures: For Statement, While Statement, Problems Based On Above	25 %
IV	Advanced Programming Concepts What are Arrays? Creating, initializing and working with 1-D arrays, String functions, User-defined functions, Structures and unions.	25 %

Basic Text & Reference Books:

- E Balaguruswami : Programming in ANSI C
- Yashwant Kanetkar - Let Us C

