SARDAR PATEL UNIVERSITY
Programme & Subject: BBA (Information Technology Management)
(3 Years)
Semester: II
Syllabus with effect from: Nov./Dec., - 2019

Paper Code: UM02CBBI24	Total Credits: 3
Title Of Paper: Programming Using C Language	

Unit	Description in Detail	Weightage
1	**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%
2	**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(), Gets(), Puts() - O/P Functions: Printf(), Putchar(), Clrscr() - Precedence & Associatively Of Operators - Problems Based On Above Topics	25%
3	**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%
4	**Advanced Programming Concepts** What are Arrays? Creating, initializing and working with 1-D arrays - String functions.	25%

Basic Text & Reference Books:-
- ➢ E Balaguruswami: Programming in ANSI C
- ➢ Yashwant Kanetker: Let Us C