

VEER NARMAD SOUTH GUJARAT UNIVERSITY – SURAT
Bachelor of Computer Application (B.C.A) 1st Year
Syllabus (As Per CBCS)

F. Y. B. C. A. Semester 2

Effective From: June-2012

Paper No.: 204

Paper Title: PROGRAMMING LANGUAGE - I

1. Introduction to Programming Language & its IDE

2. Constant & Variables

- 2.1. Character Set
- 2.2. Constants – Needs & Definition
- 2.3. Variables – Needs & Definition
- 2.4. Preprocessor Directories

3. Expression & Operations

- 3.1. Operators
- 3.2. Expression
- 3.3. Evaluation & Assignment of Expression

4. Input & Output Functions

5. Jumping, Branching & Looping Statements

6. Built in Functions

- 6.1. Mathematical Functions
- 6.2. String Functions
- 6.3. Conversion Functions

7. Arrays

8. Introduction to pointer

- 8.1. Address and value operators
- 8.2. Pointer Arithmetic

9. Introduction to User Define Function

- 9.1. Call by Value
- 9.2. Call by reference

10. Structure & Union

11. Storage classes and its use

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Reference Books:

1. Programming in C - Balaguruswami - TMH
2. C Programming Language - Kernigham & Ritchie - TMH
3. The spirit of C - Cooper H & Mullish H - Jaico Pub.
4. Programming in C - Stephan Kochan - CBS
5. Mastering Turbo C - Kelly & Bootle - BPB
6. C Language Programming - Byron Gottfried -TMH
7. Mastering Turbo C - Stan Kelly - BPB