**COURSE CODE : CS1C02**

**COURSE TITLE** : **COMPUTER PROGRAMMING LABORATORY**

**UNIVERSITY : DIBRUGARH UNIVERSITY**

**SEMESTER : SECOND SEMESTER**

**CREDIT : 01**

**L:T:P : 0:0:2**

**End sem. Examination for this course will carry 50 marks**

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| Experiments | List of experiments |
| 1 | Algorithm, flowchart, Pseudo code |
| 2 | Simple C Programming examples showing structure of a C program, data types and operators. |
| 3 | C programs on control structures and formatted I/O |
| 4 | C programs on functions |
| 5 | C programs on preprocessor directives, C programs on scope |
| 6 | C program examples showing Array applications |
| 7 | C programs on pointers, pointers and arrays |
| 8 | C programs on strings, strings and pointers. |
| 9 | C programs on structures, unions, arrays of structures, pointers and structures |
| 10 | Writing programs for implementation of Insertion, deletion and traversal operations on stack, queues and trees |
| 11 | Self referential structures, implementation of Insertion, Deletion and Searching operations on linked linear list |
| 12 | C programs on searching and sorting |