| Paper Code: UM02CBBS23 | Credits:3 |
|---|---|
| **Subject:** C Programming | **Marks :100** |
| **Objectives:** It is a basic programming language so basic programming Funda of students get clear easily by learning this subject. | |

| Unit | Description in detail | Weightage (%) |
|---|---|---|
| 1 | **Concept of Algorithm & flow Chart Development**<br>Requirements(Needs) of Algorithm & flow chart Definition<br>Symbols used to draw flow chart<br>Typical examples of the flow chart and Algorithm | 25 % |
| 2 | **Language Fundamental**<br>Generation of computer language<br>High & Low level Language<br>Editors | 25 % |
| 3 | **Logic Development**<br>Problem Analysis<br>Variables, expression & its manipulation<br>Data types in high level language<br>I/O Statements, Assignment Statements | 25 % |
| 4 | **Structure Programming & Advance Computing**<br>Control Strategies , Condition & loop Statements<br>If Else  Structure, Switch Structure<br>For loop , While loop, Do while loop<br>Array(1-D  & 2-D) | 25 % |
| | **Practical** | |
| | Simple Program | |
| | Control Structure – Simple If, If...Else, Nested If, Nested If. Else, Switch Case. | |
| | Looping Structure – For Loop , While Loop, Do.. While Loop. | |
| | Arry (ID) | |

**Evolution:** Internal: 40 Marks (Theory)
 External: 60 Marks (Theory) –Two –Hour Examination
**Basic Text & Reference Books:**
Balagurusami  : Programming in ANSI C,Tata Mc Graw Hill Publication.
Cooper H. Muilish H. The Spirit of C,JaicoPub.house, New Delhi.
**Additional References:**
Kernighan B.W. & Ritchie D.M The C Programming Language,Practices Hall India
Kanitkar Y.P: Let us C,BPB Pub. LTD.