**SARASWATI MAHILA MAHAVIDHYALAYA, PALWAL**

**LESSON-PLAN**

**Class: B.COM C.A IInd yr. Semester: Even**

**Session: 2021-22 Subject: Structural Programming**

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| **Lecture Number** | **Topic** |
| **1-20** | **Unit -1** |
|  | Introduction to ‘C’ Language |
|  | Introduction, Programming Rules |
|  | Executing the Program |
|  | Operators |
|  | Decision Statement |
|  | Loop Control Statement |
|  | Structure Programming: Advantages and disadvantages of Structured Programming |
|  | Scanf( ) and Printf( ). |
|  | **Assignment & Test** |
| **21-35** | **Unit -II** |
|  | Pointer: Declaration, Operations on Pointer |
|  | Array of Pointers to Arrays |
|  | Functions Definition, Prototype, Passing parameters, |
|  | Data Structures: |
|  | Array |
|  | Overview of Compilers and Interpreters, difference between compiler and interpreter. |
|  | Program Development in C. |
|  | Assignment And Test |
| **36-50** | **Unit-III** |
|  | Data handling formatted and unformatted console functions |
|  | difference between union and structures |
|  | Nesting of structures, |
|  | searching sequential and binary searching by array |
|  | difference between while , do while and for loop |
|  | Categories of Fonts, Style and Size |
|  | Tests and Assignment of unit -3 |
|  | **Assignment and Test** |
| **51-70** | **UNIT-IV** |
|  | Computer Graphics: Computer Graphics Applications, Computer-Aided Design, Presentation Graphics, Computer Art. |
|  | Computer Graphics: Computer Graphics Applications: |
|  | Education and Training, Visualization, Image Processing, Graphical User Interfaces |
|  | Display Devices, Overview of Display Method, Raster Scan Display Processing Unit |
|  | Input Devices for Interactive Graphics |
|  | Programmers Model of Interactive Graphics Systems |
|  | Storage Formats for Pictures |
|  | **Assignment and Test** |

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