**TEACHING PLAN 2023-24 (EVEN SEMESTER)**

**(January 2024 TO April 2024)**

**Basics of Computer -2, Code: 2.06 (B.Com. 2nd Semester)**

**Name : Ravinder Singh Department: COMPUTER SCIENCE**

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| **Month** | **1st Week** | **2nd Week** | **3rd Week** | **4th Week** |
| **January** | **(Unit-1):** Fundamental of computers: Model of a digital computer | Functioning of a digital computer; Types of a digital computer; | Advantages of computers. Difference between digital computer and analog computer | Applications of computers: Computers in Commerce, Marketing, Education and Management. |
| **February** | **(Unit -2)**  Software concepts: Types of Software and their role, Different System Software types- Operating systems, Translators, | System Utilities; Concept of Application Packages; Types of an Operating system- Multi-user O.S. | Multi-tasking O.S., Multi-Processing O.S; Time – sharing O.S., Multi-Programming O.S. | Operating System as a System as a resource Manager, concept of GUI and CUI. |
| **March** | **(Unit-3):** Introduction to Windows: Components of a Application Window; Types of Windows, | Windows as an Operating System, Windows explorer, Using Paintbrush, Control Panel, Installing a printer | User interfaces- CUI and GUI; Concept of a Desktop and Taskbar, Recycle Bin, My Documents and Internet Explorer icons | Holi vacations |
| **April** | **(Unit-4):** MS-Excel: Applications of a Spreadsheet; Advantages of an Spreadsheet; Features of Excel; Rows, Columns, Cell | Menus, Creating worksheet, Formatting, Printing, establishing worksheet | Table creating and printing graphs, Macros, Using Built-in-functions. | Revision |

**TEACHING PLAN 2020-21 (EVEN SEMESTER)**

**(APRIL 2021 TO JUNE 2021)**

**Programming in C and Numerical Methods, Code: 12BSM 243 (B.Sc. 4th Semester)**

**Name : Ravinder Singh Department: COMPUTER SCIENCE**

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| **Month** | **1st Week** | **2nd Week** | **3rd Week** | **4th Week** |
| **April** |  |  | **(Unit-1):** Programmer’s model of a computer, Algorithms, Flow charts, | Data types, Operators and  expressions, Input / outputs functions. |
| **May** | **(Unit-2):** Decisions control structure: Decision statements, Logical and conditional statements, Implementation of Loops, | Switch Statement & Case control structures. Functions, Preprocessors and Arrays. | **(Unit-3):** Strings: Character Data Type, Standard String handling Functions, Arithmetic Operations on Characters. Structures: Definition, using Structures, | use of Structures in Arrays and Arrays in  Structures. Pointers: Pointers Data type, Pointers and Arrays, Pointers and Functions. |
| **June** | **Numerical Methods part will be covered by Ms. Shalini Tomar, Assistant Professor in Mathematics** | | | |