CLASS-XI
Computer Application

Time: 3 hours   **Theory : 60 Marks**
INA : 05 Marks
Practical : 35 Marks

Lesson 1:   **Introduction to C**

Introduction, Distinctive Features of C Language, Character set of C Language, Structure of C Program, Function, Compilation and execution of C program, Starting with Programming.

Lesson 2:   **Constants, Variables and Data Types**

Introduction, Identifiers, Keywords, Constants , Variables, Delimiters, Data types, Type modifier or Qualifiers, The void Data type or empty data type.

Lesson3:   **Operators and Expressions**

Introduction, Operators.

Lesson 4   **Control and Expressions**

Introduction, Conditional control structures (Decision Making Statement), Multi way conditional (case) control structures, Jumping (branching) Control structures, Loop (Iterative) control structures.

Lesson 5   **Arrays**

Introduction, Declaration of an array, Initializing arrays, Accessing array Elements, Entering Data into an Array, Manipulation of array element, Types of arrays.

Lesson 6:   **String Handling Functions**

Introduction, Declaration and Initializing String Variables, Reading and writing String, Reading strings using scanf() function, Arithmetic operations on characters, STRING Functions.

Lesson 7:   **User defined Function**

Introduction, What is a function, Need of functions, Defining Function, Structure/form of a function, Arguments and Parameters, Using a function in Program.

Lesson 8:   **Internet & E-Governance**

Introduction, Applications of Internet, History of Internet, Facilities of Internet, Search Engine, Internet Explorer, E-Mail, Computer Virus, Online Railways and Air Ticketing.

PRACTICAL

Time: 2 hrs   **Marks: 35**

EVALUATION SCHEME FOR PRACTICAL

1. **Programming in C**

   There will be 5 questions / Program will be set from which candidate has to attempt any Four program/ Questions. Each Program or Question will be of 5 marks. Marks for the programming are to be given on the basis of program documentation /   indentation, algorithm and result (output) .   5 × 4=20 Marks

2. **Viva-Voce**   10 Marks

3. **Practical record file:**   5 Marks

   Record of at least 20 programs in C (with listing and Outputs) based on

   programming concepts and on data base concepts.

SYLLABUS: All the relevant practical exercise will be based upon the relevant chapters mentioned in the Theory Syllabus.