

SYLLABUS 2024-2025

Class : 10
Subject : Computer Applications
Book : COMPUTER APPLICATIONS (CLASS X)
Publisher : DHANPAT RAI AND CO.

Term 1

1. Introduction to functions:
 - Introduction to functions
 - Types of functions
 - Call by value
 - Revision of if else, switch, loops using functions
 - Revision of programs on loops, pattern printing using functions.
2. String handling
 - Input and output of Strings
 - Traversing a String and extracting characters
 - Library functions of String handling

and call by reference.

 - * Pure and impure function.
 - * Function overloading

Term 2

1. String handling continued –
 - Call by reference
 - Pure and impure functions

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- Function overloading

2. Chapter 12 (Arrays)

- Introduction
- Types of arrays
- Programming Using Single & double dimensional arrays
- Sorting, searching and array manipulation
- Using call value/reference method

2. Chapter 6 (Constructors)

- * Introduction to constructor with their types and programming

Term 3

1. Continuation of programming using constructor

2. Chapter 8 (Library classes)

- * Explanation of all inbuilt string methods
- * Explanation of all access specifiers, exceptions, scanner classes etc.

3. Chapter 7 (Class as user defined type)

4. Chapter 11 (Encapsulation)

Term 4

Revision of all the topics

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