

Class – XI
DELETED SYLLABUS
(For the Session of 2020-21 Only)
Computer Science
(THEORY)

UNIT 1: COMPUTER FUNDAMENTALS

Software Concepts:

Commonly used operating systems

LINUX, Windows, BhartiOO, Solaris, UNIX;

Number System : Binary, Octal, Decimal, Hexadecimal and conversion between two different number systems;

Internal Storage encoding of Characters: ASCII, ISCII (Indian scripts Standard Code for Information Interchange), and UNICODE;

Microprocessor : Basic concepts, Clock speed (MHz, GHz), 16 bit, 32 bit, 64 bit processors; Types – CISC, RISC;

Input Output Ports / Connections: Serial, Parallel and Universal Serial Bus, PS-2 Port, Infrared port, Bluetooth.

UNIT 4: PROGRAMMING IN C++

User Defined Functions:

Defining a function; function prototype, Invoking/calling a function, passing arguments to function, specifying argument data types, default argument, constant argument, call by value, call by reference, returning values from a function, calling functions with arrays, scope rules of functions and variables; local and global variables;

User-defined Data Types

Need for User defined data type:

Defining a symbol name using typedef keyword and defining a macro using #define directive;

Structures:

Passing structure of Functions as value and reference argument/parameter, Function returning structure, Array of structures, passing an array of structure as an argument/ a parameter to a function.

