

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

UNIT 1 : PROGRAMMING IN C++

Declaration and Initialization of Pointers; Dynamic memory allocation/deallocation operators: **new,delete**; Pointers and Arrays: Array of Pointers, Pointer to an array (1 dimensional array), Function returning a pointer, Reference variables and use of alias; Function call by reference. Pointer to structures: Deference operator: *, ->; self referencial structures;

UNIT 2: DATA STRUCTURES

Queue: (Circular Array and Linked Implementation):

Operations on Queue (Insert and Delete) and its Implementation in C++.

UNIT 3: DATABASES AND SQL

Database Concepts:

Relational algebra: Selection, Projection, Union and Cartesian product;

UNIT 4: BOOLEAN ALGEBRA

Obtaining Sum of Product (SOP) and Product of Sum (POS) form from the Truth Table, Reducing Boolean Expression (SOP and POS) to its minimal form.

UNIT 5: COMMUNICATION AND OPEN SOURCE CONCEPTS

Web Servers;

Hyper Text Markup Lanuage (HTML), extensible Markup Language (XML); Hyper Text Transfer Protocol (HTTP); Domain Names; URL; Protocol Address; Website, Web browser, Web Servers; Web Hosting, Web Scripting – Client side (VB script, Java Script, PHP) and Server side (ASP, JSP, PHP)

Open Source Terminologies:

Open Source Software, Freeware, Shareware, Proprietary software, FLOSS, GNU, FSF, OSI;