

# CBSE Class 12 Computer Science Syllabus Deleted Portion for 2020-21

DEDUCTED

COMPUTER SCIENCE - 083

CLASS XII

Unit I: Computational Thinking and Programming - 2

- Recursion – simple algorithms with recursion : print a message forever, sum of first n natural numbers, factorial, Fibonacci numbers, recursion on arrays : binary search
- Idea of efficiency : performance measurement in terms of the number of operations.
- Data-structures: Lists as covered in Class XI, Stacks – Push, Pop using a list, Queues – Insert, Delete using a list. (One of the data structure Stack or Queue. Note : While setting the question paper a students will have an option between Stack and Queue.)

Unit II: Computer Networks

- Web Scripting Client side (VB Script, Java Script, PHP) and Server side (ASP, JSP, PHP), Web 2.0 (for social networking)
- E-commerce payment transactions using online banking, mobile banking, payment apps and services.

Unit III: Database Management

CREATE TABLE, DROP TABLE, ALTER TABLE, UPDATE ....SET, INSERT, DELETE

1. Suggested Practical List: Python Programming
  - Recursively find the factorial of a natural number
  - Write a recursive code to find the sum of all elements of a list.
  - Write a recursive code to compute the nth Fibonacci number