

# SYLLABUS OF COMPUTER SCIENCE (D9)

## Class XI

### Computer Science I

Sr. No	TOPIC	No. Of Lectures
1	Number System & Binary Arithmetic	8
2	Program Analysis	8
3	Introduction to C++	40
4	Visual Basic	40
5	Introduction to Networking & Internet	24

#### Practical List

1. Study of Windows 98 Desktop
  - a) My Computer
  - b) Task Bar
  - c) Navigation with help of Mouse
  - d) Maximize, Minimize, Close, Restore Windows.
2. Study of windows 98 – Start Menu, Execution of a Package like Word ,etc.
3. File Operations using Explorer.
4. C++ Programs – Study of structure of C++ Program involving different data types.
5. C++ Program – Using Operators.
6. C++ Program – Using Control Structures
7. C++ Programs – Using Functions
8. C++ Programs - Using UnFormatted I/O Operations
9. VB Programs – Study of Integrated Development Environment and navigation through various windows and menus
10. VB Programs – Study of Toolbox and Property Editor
11. VB Programs - Use of Buttons, labels, text windows, picture boxes, check boxes and option buttons
12. VB Programs – Program a simple Addition / Subtraction Calculator
13. Internet – Study how to write and send an email.
14. Internet – Study of Browser and access sites on Hard Disk
15. Internet – Study of FTP

**NOTE:- Student should perform Minimum 12 Experiments from each paper**

# SYLLABUS OF COMPUTER SCIENCE (D9)

Class XI

## Computer Science II

Sr.No	TOPIC	No. Of Lectures
1	Study of Components and Circuits	15
2	Circuits Logic Gates and Sequential	25
3	Functional Hardware Parts of PC	35
4	Peripheral Devices	45

### Practical List

1. Study of Basic Gates using TTL or CMOS chips
2. Study of Universal Blocks using IC's 7400, 7402.
3. Study of Three States Buffer IC 74125
4. Study of Square Wave Generator using IC 7414.
5. Study of Half Adder using Gates.
6. Study of FULL Adder using IC 7483.
7. Study Concept of Addressing using Diode Matrix ROM.
8. Study of Decoder chip BCD to decimal using IC 7445.
9. Study of Multiplexer using IC 74154.
10. Study of Input devices :- Keyboard, Mouse
11. Study of Scanner and Printer.
12. Study of Multimedia- recording a voice playing AVI file etc.

**NOTE:- Student should perform Minimum 12 Experiments from each paper**

