

# Syllabus: Computer Science

## Paper I



### Index

|    |  |
|----|--|
| 1. | <b>OPERATING SYSTEMS :</b><br>Operating system, services in 0.5, windows 98,<br>Windows NT, LINUX, File systems, Multitasking, Multiprogramming, Memory Management,<br>G.U.I., Security threats, computer Viruses, Worms, Security.  |
| 2. | <b>Data Structure-</b><br>Introduction to data structure operation, Algorithmic notations, control structures, Arrays.<br>Representation in memory, Transversing, Deleting, Sorting Printer array, Records in memory<br>using, array. Linked list, Representation in memory.Trees, Binary trees.   |
| 3. | <b>C++-</b><br>Introduction of C++, Arrays, Pointers, references, strings principle of object oriented<br>programming, classes and object, constructors and destructors, operator overloading and type<br>conversions, inheritance, virtual function and polymorphism class,   |
| 4. | <b>HTML-</b><br>Introduction to HTML, advantage and disadvantage of HTML, study of tags, < HEAD> ,<br><TITLE>, <BODY>, <P>, < BR>, <UL>, <OL>, <PRE>, <MARQUE>,<br><b>STUDY OF FONTS</b> -<B>,<I>,<U>,<BIG>, <SMALL>, <SUB>, <SUP>, <FONT>,<br><b>STUDY OF TABLES</b> -<TABLE>, <CAPTIONS>, <TR>, <TH>, <TD><br><b>STUDY OF IMAGE</b> -HREF, HR, <IMG> SRC, ALT, HEIGHT, WIDTH, ALIGN<br><b>Use of scripting..</b> |
|    |  |