

Semester-V
Course. B.Sc. (Hons) IT
Paper Code: BSIT - 502
Nomenclature: - Programming In C++ - I

Max.Marks:45+5*

Time :3 hrs

UNIT –I

Concepts of OOPS , Structure of C++, C++ data types, pointer, constant reference, enumeration, operators (arithmetic, relational, logical and bitwise) and their precedence, Control flow statements.

UNIT –II

Array ,Strings, Structures ,Union and Pointers

UNIT –III

Functions, scope and the free store allocation, recursion, in line functions, argument passing, reference and array argument, overloaded function names, template functions, pointer to function, type –safe linkage.

UNIT –IV

Class definition, class objects, member functions, implicit this pointer, static class members, class scope, constructors and destructors.

References:

1. C++ the complete reference – Strou Strup (Adison Wesley)
2. Let us C++ - Kanetkar (BPB)
3. C++ program design – James Cohoon, Jack Davidson (TMH)
4. Object oriented programming with C++ - Balagurusamy (TMH)