ELECTIVE PAPER III – A

OBJECT ORIENTED PROGRAMMING WITH C++
(for the candidates admitted from the academic year 2010-11 onwards)

UNIT I

UNIT II
Function overloading – Math library functions – specifying a class – defining member functions – a C++ program with class – making an outside function Inline- Nesting of member functions – Static Data members – Static member functions – Friendly functions.

UNIT III

UNIT IV
Inheritance : Defining derived classes – single Inheritance - Multilevel inheritance – Multiple Inheritance - Hierarchical Inheritance – Hybrid Inheritance – Pointers to Objects - This Pointer – Pointers to Derived Classes.

UNIT V
Virtual functions – Pure Virtual functions – C++ streams – C++ Stream classes – unformatted I/O operations – Formatted console I/O operations – Managing Output with manipulators – Designing our own manipulators.

Books for reference
Text Book