

Paper / Subject Code: 56103 / Object Oriented Programming with C++

(3 hours)

Total marks: 100

Note:

1. Q1 is compulsory
2. Attempt any Four from remaining Six questions

- Q.1(a)** Define constructor and destructor. Explain all types of constructor with suitable example. **10**
- (b)** Write a program which accepts 5 strings and sort them in ascending order. **10**
- Q.2(a)** Define Inheritance .Explain all types of inheritance with suitable example. **10**
- (b)** Differentiate function overloading and function overriding .Explain with suitable example. **10**
- Q.3(a)** Explain different components of Standard Template Library. **10**
- (b)** Explain file handling mechanism. Write a program which copy content from one file into another. **10**
- Q.4(a)** Define Operator overloading. Write a program which overload unary '--'and '++' operator. **10**
- (b)** Define and explain Function template and class template with suitable example. **10**
- Q.5(a)** Explain in C++ how we can handle Exception handling. **10**
- (b)** Define and explain constant variable and constant function with suitable example. **10**
- Q.6(a)** What is dynamic Binding? Demonstrate the use of New and Delete operator with suitable example. **10**
- (b)** Write a program which accepts a string from the user and find out number of words from that string. **10**
- Q.7** Write a short note on *any four* of the following **20**
1. Inline Function
 2. Recursive function.
 3. Friend function
 4. Default argument.
 5. Static variable and static function.
