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.

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