

B.SC (IT) SEM-3,

Code: 20645 , oct-nov-2017

Paper No. CC-304- Programming in C++

Time: 02:30 Hours

Total Marks: 70

- Q.1 (a) What do you mean by OOP? Explain basic characteristics of OOP. [7]  
(b) Write note on data type in C++. [7]

OR

- Q.1 (a) What do you mean by POP? Explain basic characteristics of POP. [7]  
(b) What do you mean by operator? Explain Relational Operator and Conditional Operator in C++ [7]

- Q.2 (a) What do you mean by friend function? Explain in detail. [7]  
(b) What do you mean by constructor? Explain basic characteristics of constructor function. [7]

OR

- Q.2 (a) What do you mean by member function? Explain in detail. [7]  
(b) What do you mean by class? Explain concept of PRIVATE, PUBLIC, and PROTECTED. [7]

- Q.3 (a) What do you mean by operator overloading? Give the basic rules of operator overloading. [7]  
(b) Explain method of overloading unary operator using friend function with suitable example. [7]

OR

- Q.3 (a) Explain method of binary operator overloading using member function with suitable example. [7]  
(b) Write note on type conversion. [7]

- Q.4 (a) What do you mean by inheritance? Explain multiple inheritance with suitable example. [7]  
(b) What do you mean by polymorphism? Explain concept of runtime polymorphism. [7]

OR

- Q.4 (a) Explain multilevel inheritance with suitable example. [7]  
(b) Explain how constructor and destructor are work in inheritance. [7]

- Q.5 (a) Explain C++ stream class structure. [7]  
(b) Explain concept of Exception handling in C++. [7]

OR

- Q.5 (a) Explain C++ File stream class structure. [7]  
(b) Explain concept of command line argument in C++. [7]

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