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**BF—379—2016**

**FACULTY OF SCIENCE**

**B.Sc. (Second Year) (Third Semester) EXAMINATION**

**NOVEMBER/DECEMBER, 2016**

**COMPUTER SCIENCE**

**Paper VII**

**(Object Oriented Programming Using C++)**

**(MCQ + Theory)**

**(Wednesday, 7-12-2016)**

**Time : 2.00 p.m. to 4.00 p.m.**

*Time—2 Hours*

*Maximum Marks—10+30=40*

- N.B. :—* (i) Attempt *All* questions.  
(ii) Assume suitable data, if necessary.

**MCQ**

10

1. Attempt the following.
  - (1) C++ is ..... programming language.
    - (A) Structural
    - (B) Assembly
    - (C) Object oriented
    - (D) None of these
  - (2) ..... is not operator in C++.
    - (A) <
    - (B) >
    - (C) <>
    - (D) !=
  - (3) ..... is relational operator in C++.
    - (A) >
    - (B) !
    - (C) + +
    - (D) - -
  - (4) Object is a variable whose data type is .....
    - (A) Int
    - (B) Class
    - (C) Float
    - (D) Char

P.T.O.

- (5) A function whose name is the same as class name is called as .....
- (A) Overloading (B) Construction  
(C) Data (D) Object
- (6) ..... is *not* type of inheritance.
- (A) Single (B) Multiple  
(C) Hybrid (D) Complex
- (7) ..... is a type of inheritance.
- (A) Single (B) Partly  
(C) Complex (D) Void
- (8) ..... is visibility mode in C++.
- (A) Cin (B) Cinput  
(C) Input (D) Public
- (9) ..... is auto matically accessed when you create object of class.
- (A) Function (B) Constructor  
(C) Data (D) Private member
- (10) When function is called by passing address of variable then it is called as .....
- (A) Function duplicating  
(B) Call by reference  
(C) Function overloading  
(D) None of the above

### Theory

2. Explain in detail control statements in C++ with suitable examples. 10

Or

- (a) Explain function overloading in detail. 5
- (b) Write a program in C++ to display factorial of number. 5

3. Explain the different stream classes used for file handling in C++. 10

Or

(a) Explain the concept of operator overloading. 5

(b) Write a program to describe concept of inline function. 5

4. Explain friend function with example. 10

Or

(a) Explain any *one* looping statements with example. 5

(b) Explain virtual base class in detail. 5