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**SUBJECT CODE NO:- B-2181**  
**FACULTY OF SCIENCE AND TECHNOLOGY**  
**B.Sc. S.Y (Sem.-IV) Examination OCT/NOV 2019**  
**Computer Science CS011**  
**Programming in C++**

[Time: 1:30 Minutes]

[Max.Marks:50]

Please check whether you have got the right question paper.

- N.B**
1. Attempt all questions
  2. Illustrate answer with suitable diagram

- Q.1**
- a) Describe inline function & its characteristics. 10
  - b) Write a program in C++ to display all the ODD numbers between 1 to 100 10

**OR**

- a) What is function overloading? Explain with suitable example. 10
- b) What is reference variable? Explain return by reference concept 10

- Q.2**
- a) Describe friend function with suitable example 10
  - b) What are the manipulators in C++? Explain 10

**OR**

Write short notes on (any four)

- i) constructors 20
- ii) overloading unary operator
- iii) Encapsulation
- iv) Function prototype
- v) Data Abstraction
- vi) public & private data members

- Q.3 Multiple choice questions** 10

- 1) cin is an -----.  
a) Class    b) Object    c) Package    d) Namespace
- 2) ----- is not a correct variable type in C++.  
a) float    b) real    c) int    d) double
- 3) ----- operator is used as logical AND.  
a) &    b) ::    c) &&    d) AND
- 4) Default constructor has ----- number of arguments.  
a) No arguments    b) One    c) Two    d) Three
- 5) Reusability of code in C++ is achieved by using-----.  
a) Polymorphism    b) Inheritance    c) Encapsulation    d) None of above

- 6) ----- header file is required for input/ output operation in C++.  
a) stream.h    b) istream.h    c) ostream.h    d) iostream.h
- 7) In CPP, members of class are ----- by default.  
a) public    b) private    c) protected    d) static
- 8) In C++ every instruction ends with -----.  
a) semicolon (;)    b) fullstop (.)    c) comma (,)    d) slash (/)
- 9) In C++ inline functions are expanded during -----.  
a) runtime    b) compile time    c) debug time    d) none of above
- 10) ----- is called as scope resolution operator .  
a) :    b) →    c) &    d) ::