**SAINTGITS COLLEGE OF APPLIED SCIENCES**

**First Internal Assessment Examination, FEB 2019**

**Department of BCA, Semester II**

Object Oriented programming in C++

Time : **2 hours** Total:**50 Marks**

**Section A**

*Answer any 5 questions. Each question carries 2 marks.*

1. Define class?

2. Write a program to find the arear of a square using class?

3. Define friend functions?

4. Explain inline function?

5. Explain for loop?

6.Explain memory allocation for objects?

**(5 X 2 = 10 marks)**

**Section B**

*Short essay questions*

*Answer any 5 questions. Each question carries 5 marks.*

7. Explain static variables and functions?

8. Write an example program using classes and objects?

9. Explain Arrays of objects with example?

10. Explain function overloading?

11. Explain program structure of C++?

12. Differentiate POP and OOP?

**(5 X 5 = 25 marks)**

**Section C**

*Long essay questions*

*Answer any 1question. It carries 15marks.*

13. Explain OOPs Concepts?

14. Explain constructors in C++?

**(1 X 15 = 15 marks)**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**