**GALGOTIAS UNIVERSITY GREATER NOIDA**

**School of Computing Science & Engineering**

**Program: BCA-II Semester 2013, Course: OOP with C++**

 **ASSIGNMENT –I (UNIT -I) Marks-5.**

**Q1.** What isa class ? Describe the syntax for declaring a class with example.

Q2. What are the differences between structure and classes in c++.

Q3. What are the objects ? Describe the syntax for defining objects with example .

 explain how C++ support encapsulation and data abstraction.

Q4. What are the guidelines that need to be followed for declaring whether to

 make the member function in line or not ?

Q5. What is the difference between member functions define inside and outside

 the body of a class ? how are inline member functions defined outside the

 body of a class ?

Q6. What are the empty classes ? can instances of empty class be created ? give

 reasons.

Q7. Bring out the differences between auto and static storage class data members .

 Can static member function of a class access all types of member of a class .

 give reasons. What are the access rules for accessing static members ?

Q8. What are constructors and destructors ? explain all type of constructor with

 example . How they differ from normal member functions.

Q9. What are the order of construction and destruction of objects ?

Q10. What are the friend function and friend classes ? write a normal function

 which adds objects of the complex number class . Declare this normal

 function as friend of the complex class.