



Total No. of Questions: 4/18

Total No. of Pages:

**SECOND YEAR (BBA(CA))**  
**BBA23101: Object Oriented Programming using C++**  
**(Semester III)**

**Program: BBA(Computer Application)**  
**Program Specific: BBACA07**  
**Course Type: Major**  
**Paper:**

**Credits: 2**  
**Time: 2 Hours**  
**Max. Marks: 30**  
**SET: A**

**Instructions to the candidate:**

- 1) All questions are compulsory.
- 2) Figures to the right indicate full marks.
- 3) Draw a well labelled diagram wherever necessary.

**SECTION: A**

**Q1) Answer the following**

**[5 X 1= 5]**

1. Name of constructor is same as the \_\_\_\_\_.  
a) class  
b) member function  
c) object  
d) both (a) & (b)
2. \_\_\_\_\_ keyword used for declared an structure in C++.  
a) class  
b) private  
c) struct  
d) protected
3. A process of creating new classes from an existing class is called as \_\_\_\_\_.  
a) Polymorphism  
b) Inheritance  
c) abstraction  
d) none
4. A constructor that accepts no parameters is known as the default constructor.  
a) True  
b) false
5. The \_\_\_\_\_ operator extracts the value of a variable from cin object.  
a) extraction  
b) instance  
c) insertion  
d) none

**SECTION: B**

**Q2) Answer the following (Attempt any 5/7)**

**[5 X 2 =10]**

1. What is class? Give the syntax to define a class.
2. Explain structure of C++ program?
3. What is extraction and insertion operator?
4. What are Constructor and destructor?
5. What is a function? Give its features.
6. List out any 4 concepts in OOP?
7. Define Operator Overloading?

**SECTION: C**

**Q3) Answer the following/Write short notes on following (Attempt any 2/4)**

**[2 X 5 = 10]**

1. What is C++? List various features of C++.
2. Write short note on
  - a) Function
  - b) Identifier
3. State any difference between Structure and Class.
4. Explain different types of Inheritance with example.

**SECTION: D**

**Q4) Answer the following (Attempt any 1/2)**

**[5 X 1 = 5]**

1. Write a C++ program to accept two integers and an arithmetic operator(+, -, \*, /) from user and performs the corresponding arithmetic operation and display the result. (Use switch statement)
2. Write a program to calculate area and circumference of a circle using inline function.

\*\*\*\*\*