

BACHELOR OF COMPUTER APPLICATIONS
(BCA) (Pre-Revised)

Term-End Examination, 2019

CS-72 : C++ AND OBJECT ORIENTED PROGRAMMING

Time : 2 Hours

Maximum Marks : 60

Note : Question No. 1 is compulsory. Attempt any three questions from the rest.

1. (a) Explain the following terms : [10]
- (i) Data Abstraction
 - (ii) Data encapsulation
 - (iii) Accessibility of member
 - (iv) Early and late binding
- (b) What do you mean by Operator Overloading ?
Write an example of C++ program to illustrate operator overloading. [8]
- (c) Explain virtual functions with the help of an example. [5]



- (d) Explain any two diagrams in UML with the help of examples. [7]
2. (a) What is function of Constructor ? Give an example of constructor. What is the function of a Destructor ? [5]
- (b) Differentiate between C and C++ [5]
3. (a) What is 'this' pointer ? Explain the use of this pointer with the help of an example. [5]
- (b) What is Information hiding ? Explain with the help of an example. [5]
4. What do you mean by Exception Handling ? Write the syntax of try, throw and catch expressions. Write a example of program illustrating exception handling in C++. [10]
5. (a) What is function template ? Write a function template to swap two given numbers. [5]
- (b) What is copy constructor ? Give a suitable example. [5]