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Roll No. :

BCA-08

Object-Oriented Programming through C++ Bachelor of Computer Application (BCA-11/16/17)

3rd Semester Examination June 2022

Time : 2 Hours

Max. Marks : 80

Note : This Paper is of Eighty (80) marks divided into two (02) Section A and B. Attempt the questions contained in these sections according to the detailed instructions given there in.

Section-A

(Long Answer-type questions)

Note: Section 'A' contains Five (05) Long-answer type questions of Twenty (20) marks each. Learners are required to answer any two (02) questions only.

(2 x 20 = 40)

Q.1. What do you mean by function overloading? How it is implemented in C++?

P.T.O.

- Q.2 What do you mean by operator overloading? Write a program of addition of two objects of the same class using operator overloading.
- Q.3 Explain the difference between union and structures with the help of a program.
- Q.4 What do you mean by copy constructor? Define constructor overloading with the help of an example.
- Q.5 Write short note on the following :
- Abstraction
 - Call by Reference
 - Friend function

Section-B

(Short Answer-type questions)

Note: Section 'B' contains Eight (08) Short-answer type questions of ten (10) marks each. Learners are required to answer any four (04) questions.

(4 x 10 = 40)

P.T.O.

- Q.1 What the basic features are of object oriented programming?
- Q.2 What do you mean by polymorphism? How polymorphism is implemented in C++?
- Q.3 Write a program for addition of two one dimensional arrays.
- Q.4 Explain inline function with the help of a program.
- Q.5 What do you mean by classes and objects in object oriented programming? Explain with the help of program.
- Q.6 What are the different functions used for I/O operations in file handling?
- Q.7 Differentiate between derived and base classes in object oriented programming.
- Q.8 What do you mean by default constructors? Define its role in object oriented programming.

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