

## D215

### B.C.A. EXAMINATION, 2021

(Fourth Semester)

(B Scheme) (Main & Re-appear)

(BCA)

BCA210B

### OBJECT ORIENTED PROGRAMMING

*Time : 2½ Hours]*

*[Maximum Marks : 75*

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Before answering the question-paper candidates should ensure that they have been supplied to correct and complete question-paper. No complaint, in this regard, will be entertained after the examination.

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**Note** : Attempt *Four* questions in all. All questions carry equal marks.

1. Explain the Concept of OOP's in detail with example.
2. (a) What is the difference between class and structures in c++ ? Which is better ?  
Prove with example.  
(b) Write a program using to perform operation of Calculator using function in C++.
3. What is Class and Object ? Explain, how member function and static members are declared in class with example ?
4. Explain, how Dynamic memory is allocated using new and delete operator ?

5. What is Base Class and Derived Class ? Explain public and private inheritance with example.
6. Explain operator Overloading and function Overloading. With the help of friend function implement the program to overload binary operator.
7. What is Template ? Write a template Class Stack and implement generic method to push and pop elements from the stack.
8. How files is open and closed using File Pointers ?