Roll No. ....

60511

B.C.A. (SM-Four Year Degree Programme) EXAMINATION

(For Batch 2024 & Onwards)

(Second Semester)

OBJECT ORIENTED PROGRAMMING WITH C++

BCA/SM/2/DSC/105

Time : Two Hours   *Maximum Marks* : 35

Note : Attempt *Three* questions in all, selecting *one* question from each Unit. Q. No. 1 is compulsory.

(Compulsory Question)

1. Short answer type questions : $7 \times 1 = 7$

   (a) Define Variable.

P.T.O.

(b) Write the syntax of for loop in C++.

(c) What is Class ?

(d) Define Friend Function.

(e) What do you mean by Polymorphism ?

(f) Explain Destructor.

(g) What is an Abstract Class ?

Unit I

2. What is Object Oriented Programming ? Explain its features and benefits. Explain difference between object oriented programming and procedural oriented programming ? 14

3. What do you mean by static data member and static member function in C++ ? Explain by taking suitable example. 14

Unit II

4. What is Constructor ? Explain the various types of Constructor with suitable example. 14

5. What do you mean by Inheritance ? Explain various types of Inheritance with suitable example. 14

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