FACULTY OF SCIENCE
B.Sc. II-Semester (CBCS) Examination, May / June 2017
Subject: Computer Science

Paper – II: Programming in C++

Time: 3 Hours
Max. Marks: 80

PART – A (5 x 4 = 20 Marks)
(Short Answer Type)
Note: Answer any FIVE of the following questions.

1. What is a function overloading? Explain.
2. List and explain the operators those are used only in C++.
3. Explain about private member function.
4. Explain the types of aggregation with examples.
5. Explain unformatted I/O functions.
6. What is Inheritance? Explain the types of inheritance.
7. What is an exception? Explain some built-in exceptions.
8. Define template. What is the need of a template.

PART – B (4 x 15 = 60 Marks)
(Essay Answer Type)
Note: Attempt ALL the questions.

9. (a) What is searching? Explain the concept of binary search with an example program.
   OR
   (b) What is an array? Write a C++ program to multiplication of two matrices.

10. (a) What is over loading? Explain operator overloading with an example program.
    OR
    (b) Discuss about object conversion with an example program.

11. (a) What is a polymorphism? Explain different types of polymorphism with example program.
    OR
    (b) Explain the concept of virtual function with program.

12. (a) Write about object oriented exception handling with classes.
    OR
    (b) Explain function template with an example program.

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