



III Semester B.Sc. Degree Examination, November/December 2015
COMPUTER SCIENCE (New)
CS3T : OOPS Using C++

Time : 3 Hours

Max. Marks : 80

SECTION - A

I. Answer all questions :

(10×2=20)

- 1) List the two benefits of OOP.
- 2) What is polymorphism ?
- 3) What is token ? List the tokens.
- 4) Define overloaded operator.
- 5) What is a function template ?
- 6) Who developed C++ ?
- 7) What is prototype ?
- 8) Explain insertion and extraction operations.
- 9) What is a manipulator ?
- 10) List the operators which can be overloaded.

SECTION - B

II. Answer any four questions :

(4×5=20)

- 11) What is an in-line function ? Explain with an example
- 12) Define class and object. Explain the method of creating objects with example
- 13) How does a C++ structure differ from a C++ class ?
- 14) Discuss the applications of OOP.
- 15) How do you explicitly overload a template function ?
- 16) Explain multiple inheritances with example.

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SECTION – C

III. Answer any four questions :

(4×10=40)

- 17) What is a copy constructor ? Explain with an example.
- 18) What are the different forms of inheritance supported by C++ ? Explain any four briefly.
- 19) Write short notes on :
 - a) Scope resolution operator
 - b) Destructor
- 20) What is object oriented programming ? Explain the following terms with examples.
 - a) Objects
 - b) Polymorphism
 - c) Inheritance
 - d) Encapsulation
- 21) Write a C++ program to overload a unary minus operator
- 22) What do you mean by exception handling ? Explain how multiple catch statement can be used in exception handling in C++
