

Roll No.....

Printed Pages: 2

1872

BCA/M-15

BCA-III

(PROGRAMMING IN C++)

Paper-BCA-361

Time allowed: 3 hours]

[Maximum marks: 80

Note: Attempt **five** questions. Question No. 1 is compulsory. Select one question from each unit.

COMPULSORY QUESTION

1. (a) Differentiate between Protected and Private derivatives.
(b) Discuss Calloc and Malloc functions.
(c) What is Rethrowing an exception?
(d) Differentiate between Text and Binary Files.

UNIT-I

2. Explain the types of Inheritance using examples.
3. (a) Explain Parameterized and copy constructor using example.
(b) What is the use of Destructor and how are they called and What is the order of calling many destructors?

UNIT-II

4. (a) Explain function Overriding.
(b) Write a Program showing virtual Destructor.
5. Discuss type conversions. Explain the conversion between objects of different classes.

UNIT-III

6. Explain exception handling using example.
7. What is template class? Can they be nested? Explain with example.

UNIT-IV

8. Explain file opening modes, and discuss method to write a Text File and then read that file.
9. Write notes in the following:
 - (a) Error Handling Functions.
 - (b) Check number of Objectives in a File.
 - (c) Reading a record in a file.