

Roll No.

Exam Code : J-19

Subject Code—0414

M.C.A. (Third Year) EXAMINATION

(5 Years Integrated Course)

(Batch 2009 Onwards)

OBJECT ORIENTED PROGRAMMING
USING C++

MCA-302

Time : 3 Hours

Maximum Marks : 70

Section A

Note : Attempt any *Seven* questions. **7×5=35**

1. Write differences between OOPS and Procedural Programming.
2. Explain abstraction in short.
3. Discuss Polymorphism.

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4. What are objects and classes ?
5. Discuss type casting with examples.
6. What do you mean by function overloading ?
7. What is the use of pointer in programming ?
Explain.
8. Explain Virtual Function.
9. Describe predefined and user-defined functions.
10. Name the file streams available in C++.

Section B

Note : Attempt all the questions.

11. What do you mean by operator overloading ?
Write a program to overload >> operator.

Or

What do you mean by destructor ? Explain
with suitable program. **12**

12. What is Inheritance ? Write a program to
implement the concept of multiple-inheritance.

Or

Explain pure virtual function with suitable
program of your choice. **12**

13. Why exception handling is important in
programming ? Write a program to defined
the concept of exception handling.

Or

What is the purpose of file handling in C++ ?
Write a program to write 'You are welcome in
GJU' string in a text file. **11**