



Code: 9F00202

MCA II Semester Supplementary Examinations May/June 2019

OBJECT ORIENTED PROGRAMMING

(For 2009, 2010, 2011 & 2012 (LC), 2013, 2014, 2015 & 2016 admitted batches only)

Time: 3 hours

Max. Marks: 60

Answer any FIVE questions
All questions carry equal marks

- 1 (a) Distinguish between object oriented programming and procedure oriented programming paradigms.
(b) List and explain the characteristics of object oriented programming language.
- 2 Discuss the flow control statements with suitable program segments.
- 3 (a) What is inline function? Write a C++ program to demonstrate the working of inline function.
(b) Define the term recursive function. Write a program to find factorial value of a given number using recursive function.
- 4 (a) Explain briefly about operator overloading with a suitable example.
(b) Write a C++ program to illustrate function template.
- 5 Explain different forms of inheritance with neat diagram. Write a program to illustrate hierarchical inheritance.
- 6 (a) Write a C++ program demonstrating the pure virtual function with base and derived classes.
(b) Explain how to call a virtual function through a base class reference.
- 7 Describe in detail about formatted I/O operations.
- 8 Explain exception handling mechanism in C++ with suitable diagram and example program.

