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
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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.

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