

S.D.E.
M.C.A. Sem - III : SUMMER - 2019
SUBJECT: OBJECT ORIENTED OPROGRAMMING

Day: Wednesday
Date: 15/05/2019

S-2019-5262

Time: 10.00 AM TO 1.00 PM
Max Marks: 80

N.B:

- 1) Attempt any **FIVE** questions from Section-I and any **TWO** from Section-II.
 - 2) Both the sections should be written in **SAME** answer books.
 - 3) Figures to the right indicate **FULL** marks.
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SECTION-I

- Q.1** Explain access specifiers in C++ & java. (10)
- Q.2** Explain the concept of exception handling in java. (10)
- Q.3** Explain working of 'this' keyword. (10)
- Q.4** What is template? Write a suitable example of class template. (10)
- Q.5** Discuss contribution of java to world wide web. (10)
- Q.6** Explain the types of inheritances in java & C++ (10)
- Q.7** Write short notes on (ANY TWO) (10)
- a) Constructors
 - b) Inline functions
 - c) Operator overloading

SECTION-II

- Q.8** Create a calculator in java with all basic functionalities using grid layout. (15)
- Q.9** Write a program to find out number of students pass, fail and ATKT in annual exam. Using hierarchical inheritance. (15)
- Q.10** Write a program to overload binary '-' operator using friend function. (15)

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