

S.D.E.
M.C.A. Sem - III : WINTER - 2018
SUBJECT : OBJECT ORIENTED PROGRAMMING

Day : Thursday
Date : 06/12/2018

W-2018-4803

Time : 10.00 AM TO 1.00 PM
Max. Marks : 80

N.B.:

- 1) Attempt **ANY FOUR** questions from Section – I and attempt **ANY TWO** questions from Section – II.
 - 2) Answer to both the sections should be written in **SAPARATE** answer book
 - 3) Figures to the right indicate **FULL** marks.
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SECTION – I

- Q.1** Explain in detail the characteristics of object oriented programming languages. [12]
- Q.2** Explain various types of inheritances. [12]
- Q.3** Differentiate between the abstract class and interface. [12]
- Q.4** Explain the concept of call by value and call by reference. [12]
- Q.5** Explain the virtual function with example. [12]
- Q.6** Explain how interfaces are used to achieve multiple inheritance. [12]

SECTION – II

- Q.7** Write a programme to overload '<' and '>' operators. [16]
- Q.8** Write a constructors 'area' to initialize the calculating area of circle, square and rectangle. [16]
- Q.9** Write a programme to illustrate difference between compile time polymorphism and runtime polymorphism. [16]

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