

Subject : Object Oriented Programming

Day : Saturday
Date : 10/12/2016



Time : 10.00 A.M. TO 1.00 P.M.
Max Marks : 80 Total Pages : 1

N.B.:

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

- Q.1** Explain characteristics of object oriented programming languages. [12]
- Q.2** Explain the concept of constructors along with examples of various types of constructors. [12]
- Q.3** Discuss the used of ‘static’ keyword and its meaning with respect to class, methods and data members. [12]
- Q.4** What are the various types of inheritances supported in object oriented programming? Explain. [12]
- Q.5** Differentiate between overloading and overriding. [12]
- Q.6** Differentiate between abstract class and interface. [12]

SECTION – II

- Q.7** Write a program to calculate area of various shapes like circle, rectangle, square using abstract class. [16]
- Q.8** Write a program to demonstrate the concept of runtime polymorphism. [16]
- Q.9** Define a class bank-account with members as acc-no., name, type, balance as its members write methods: [16]
- a) To initialize the object
 - b) To deposit amount
 - c) To withdraw amount
 - d) To check balance

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