

Roll No.

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Total No. of Pages : 02

Total No. of Questions : 09

PGDCA (2014 & Onwards) (Sem.-1)

PROGRAMMING IN C++

Subject Code : PDCA-102

Paper ID : [B0142]

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTION TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.
3. SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.

SECTION-A**1 Write briefly :**

- a. What do you mean by identifier?
- b. What do you mean by data hiding in C++?
- c. Discuss the steps involved while opening a file.
- d. What do you mean by scope resolution operator?
- e. What are function prototypes?
- f. Differentiate between prefix and postfix increment operators.
- g. Explain the switch statement with an example.
- h. What are the advantages of structures?
- i. What do you mean by random access files?
- j. Write down the uniqueness of virtual functions.

SECTION-B

- 2 What is a class? How does it accomplish data hiding?
- 3 Discuss the various data types in C++. Support your answer with an example.
- 4 What purpose is served by constructors and destructors? Explain with the help of examples.
- 5 What is a pointer? What operations can be performed on pointers?
- 6 Write a program to swap two integers without using any third variables.

SECTION-C

- 7 Describe how Object Oriented System development is different from traditional procedure oriented software development. How Data Abstraction is achieved in C++?
- 8 Explain Operator and Function overloading with simple examples.
- 9 Write short notes on the following :
 - a) File management in C++
 - b) Late Binding