Roll No.		Total No. of Pages: 02
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Total No. of Questions: 09

PGDCA (2014 & Onwards) (Sem. – 1) PROGRAMMING IN C++

M Code: 50502 Subject Code: PDCA-102 Paper ID: [B0142]

Time: 3 Hrs. Max. Marks: 60

INSTRUCTIONS 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. Explain in brief:
 - a) Post and Pre Decrement operators
 - b) Preprocessor Directives
 - c) Compiler
 - d) Inheritance
 - e) Can a pointer be subtracted from another pointer?
 - f) Arrays
 - g) streat() function
 - h) Late binding
 - i) Classes
 - j) Scope resolution operator

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SECTION B

- 2. A palindrome is a word, phrase or sentence that reads the same way either forward or backward. Write a program to find whether entered text is a palindrome or not.
- 3. Write program using classes to overload insertion << and extraction >> operators.
- 4. Write a program to sort elements stored in an array in ascending order.
- 5. What do you mean by Object Oriented Programming? How it is different from procedural programming?
- 6. Discuss various types of inheritance with suitable examples.

SECTION C

- 7. Explain polymorphism. Discuss various types of polymorphism with suitable examples. Discuss with example late binding.
- 8. Explain various jump statements using suitable examples. Differentiate between "while" and "do while" statements.
- 9. Discuss error handling in C++. How files are managed in C++? Discuss various functions for randomly accessing the contents of a file.

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