Roll No. ☐☐☐☐☐☐☐☐☐☐☐☐☐   Total No. of Pages : 02

Total No. of Questions : 09

PGDCA (2017 & Onwards) (Sem.–1)
PROGRAMMING IN C++
Subject Code : PDCA-102
M.Code : 50502

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. **Answer briefly :**

    a) What is null character?

    b) What is the significance of Scope Resolution Operator?

    c) Name any two logical operators.

    d) What do you mean by Pure Virtual Function?

    e) Write the significance of break keyword in relation to switch-case.

    f) Difference between Structure and Array.

    g) How a constant is defined in C++?

    h) Tell the use of strcpy() function in C++.

    i) What is Pointer?

    j) Describe the significance of open().

SECTION-B

2. What are the differences between Structure and Class?

3. Explain the use of break and continue statement with example.

4. What is polymorphism? In what ways the polymorphism can be achieved with pointers.

5. What is inheritance? Discuss its various types along with example.

6. What is an Array? How it is declared? Write the characteristic of Array.

SECTION-C

7. What do you mean by 'Loop'. Explain the syntax of :

    a) while

    b) do-while

    c) for loop along with a program.

8. What is a class? Describe the syntax for declaring classes, creating objects and accessing members of a class with the help of examples.

9. Write short notes on :

    a) Decision Making Statements

    b) File Management in C++

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.