

Roll No. :

Total No. of Questions : 11]

[Total No. of Printed Pages : 3

PDCA-391

Post-Graduate Diploma in Computer Application Examination, 2021

Paper - PGDCA-102

(Programming with C++)

Time : 1½ Hours]

[Maximum Marks : 50

Section-A

(Marks : 2 × 10 = 20)

Note :- Answer all *ten* questions (Answer limit **50** words). Each question carries **2** marks.

Section-B

(Marks : 3 × 5 = 15)

Note :- Answer all *five* questions. Each question has internal choice (Answer limit **200** words). Each question carries **3** marks.

Section-C

(Marks : 5 × 3 = 15)

Note :- Answer any *three* questions out of five (Answer limit **500** words). Each question carries **5** marks.

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Section–A

2 each

1. Attempt all questions :

- (i) Differentiate between Class and Object.
- (ii) What do you mean by Header File ?
- (iii) Write down the uniqueness of Inline Function.
- (iv) What do you mean by New and Delete operators ?
- (v) What are the features of iostream.h file ?
- (vi) What is a virtual function ?
- (vii) List advantages of Object Oriented Programming.
- (viii) What is difference between Public derivation and Private derivation ?
- (ix) Explain data hiding.
- (x) What is function prototyping ?

Section–B

3 each

- 2. Write features of C++ language.
- 3. What are Access Specifiers. Name different Access specifiers in C++.

Or

What is Array ? Explain with the help of example.

4. What is Call by value and Call by reference in C++ ? Explain with example.

Or

Explain Message Passing.

5. Describe Friend Class with example.

Or

How stack is implemental in C++ ?

6. What is a Pointer ? What operations can be performed on pointer ?

Section–C

5 each

Note :- Answer any *three* questions out of five.

7. What is an enumerated data type ? How is it useful ?

8. Explain different types of Inheritance with an example.

9. What is difference between Static binding and Run time binding ? Explain with a suitable C++ code.

10. Write C++ program to explain Function Overloading in C++.

11. What is difference between Header files and Library files ?