

Roll No.

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Total No. of Pages : 02

Total No. of Questions : 09

PGDCA (Sem.-1st)
PROGRAMMING IN C++
Subject Code : PDCA-102 (2012 Batch)
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 has to attempt any **FOUR** questions.
3. **SECTION-C** contains **THREE** questions carrying **TEN** marks each and students has to attempt any **TWO** questions.

SECTION-A**I. Answer briefly :**a2zpapers.com

- a. Differentiate between class and object.
- b. What do you mean by header file?
- c. What is the significance of access specifiers in a class?
- d. What are some advantages/disadvantages of using pointers?
- e. Differentiate between constants and variables. Give an example.
- f. Can I overload the destructor for my class? Support your answer.
- g. Differentiate between while loop and do-while loop.
- h. What is the meaning of precedence of operators?
- i. What is a virtual function?
- j. What do you mean by random access files?

SECTION-B

2. What are the main characteristics of an object oriented programming? Compare them with structured programming.
3. Differentiate between break and continue statement with an example.
4. What is multiple inheritance? How it is realized in C++? Give suitable examples.
5. What do you mean by string data type? How it is different from array? Discuss any two string handling functions.
6. Differentiate between public and private access specifiers. Explain with an example.

SECTION-C

7. What do you mean by functions? How can you declare and use user defined function? Explain at least two techniques of passing argument to a function.
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8. What are nested classes? How the members of the nested class are assessed? Give an example to illustrate a nested class.
9. Write short notes on the following:
 - a) Error handling during IO Operations
 - b) Polymorphism