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4453

BOARD DIPLOMA EXAMINATION, (C-14)

JUNE-2019

DCME - FOURTH SEMESTER EXAMINATION

OOPS THROUGH C++

Time: 3 hours

Max.Marks:80

PART-A

10X3=30M

Instructions: 1) Answer **all** questions
2) Each question carries **three** marks.
3) Answers should be brief and straight to the point and shall not exceed five simple sentences.

- 1) List the properties of OOP.
- 2) What is Comment in C++? How to write comments in C++?
- 3) What is an inline function? Write Example in C++.
- 4) What is the need of Scope Resolution operator?
- 5) Define reference and how to declare reference variable.
- 6) What is inheritance?
- 7) Define virtual class.
- 8) Write short notes on the relation between base class and derived class.
- 9) What is the use of get() and put () function?
- 10) What is class template and how is it declared?

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PART-B

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5X10=50

Instructions: 1) Answer any **five** questions.
2) Each question carries **ten** marks.
3) Answers should be comprehensive and the criterion for valuation is the content but not the length of the answer.

- 11) Write a C++ program to illustrate Friend function.
- 12) Write a C++ program on Binary operator overloading.
- 13) Explain the concept of passing objects to function with an example program.
- 14) Explain pointer to objects with the help of a program.
- 15) Explain virtual function concept with a program.
- 16) Explain the concept of Multilevel inheritance with a small program.
- 17) Explain Formatted I/O functions with example program.
- 18) Explain Multiple Arguments Function template with an example program.

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