



C09-CM-404

3461

BOARD DIPLOMA EXAMINATION, (C-09)
OCT/NOV—2014
DCM—FOURTH SEMESTER EXAMINATION
OOP THROUGH C++

Time : 3 hours]

[Total Marks : 80

PART—A

3×10=30

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

1. What is operator overloading?
2. What is comment in C++? How can we represent comments in C++?
3. List the various parameter passing mechanisms used in C++ with syntax.
4. What is a constructor? List the types of constructors.
5. State the usage of 'this' pointer.
6. What is visibility mode?
7. What are the differences between inheriting a class with public and private visibility modes?
8. State any three benefits of inheritance.

* 9. What is the use of get() and put() functions?

10. What is function template?

PART—B

10×5=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. What is friend function? Explain with an example program.

12. (a) Define a class. Give an example.

(b) Write the syntax to declare inline function. Explain with an example program.

13. Explain the properties of OOP.

14. Explain the concept of reference with an example program.

15. Explain the accessibility of base class members in inheritance.

16. Write a C++ program for virtual function.

17. Describe the hierarchy of stream classes in C++.

18. Explain the creating of classes based on templates.

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