C09–CM–**404**

3461

BOARD DIPLOMA EXAMINATION, (C–09)
OCT/NOV—2013
DCM—FOURTH SEMESTER EXAMINATION

OOP THROUGH C++

Time : 3 hours]   [*Total Marks* : 80

PART—A

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. Define data hiding.

2. What is function overloading?

3. Write the characteristics of friend function.

4. Define CONST keyword with syntax.

5. List the uses of references.

6. What are the different inheritance visibility modes supported by C++?

7. What is inheritance?

8. What are virtual functions? Write its applications.

9. Define a file pointer.

10. What is a class template and how is it declared?

PART—B

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 an inline function? Explain with an example program.

12. Explain passing objects by reference to a function with an example program.

13. Explain constructor and destructor using an example program.

14. Explain how to access member functions using array of objects with an example program.

15. Explain virtual function concept with a program.

16. Write a C++ program to illustrate single inheritance.

17. Explain console stream class hierarchy and its members.

18. Explain templates with single argument types with an example program.

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