Roll No. ....

BCA–402 (O)

B. C. A. (Fourth Semester) EXAMINATION, May, 2013

Paper Second

OBJECT ORIENTED DESIGN AND PROGRAMMING

Time : Three Hours] [*Maximum Marks : 75*

Note : Section A is compulsory. Attempt *seven* questions from Section B and *one* question from Section C.

Section–A

1. (a) What is procedure oriented programming language ? Explain drawback of procedure oriented programming language. 5

   (b) What are the features of object oriented programming language ? Explain in brief. 4

2. (a) Write a Java program to print no. from 1 to 10 and also write the complete procedure. How can we run this program ? 5

   (b) Write the five identifiers of object oriented program and explain each in detail. 4

[2]

Section–B

Note : Write short answer. Attempt any *seven* question. Each question contains 6 marks.

3. Write the data types used in C++. Explain each data type in brief.

4. Write a Java program for the increment decrement operators and display the output on screen.

5. Write a program use of the "Cast" operator.

6. How Infinite loop used in object oriented programming language and how it break ?

7. Write a program to calculate the square of a number created by users.

8. Write a program for the Fibonacci number generation using array.

9. Write a program to demonstrate the private and public use of classes.

10. What are static data numbers and functions ? How it used in object oriented programming language ?

11. What is member function used in object oriented programming language ?

12. What are constructors and destructors used in the object oriented programming language ?

Section—C

Note : Attempt any *one* question.

13. (a) What is inheritance and type of inheritance and explain each inheritance in detail. 8

   (b) Write a Java program to illustrate the inheritance. 7

14. Write short notes any *three* with examples : 5 each

   (a) Overloading

   (b) Inheritance

   (c) Functions

   (d) Object and Classes

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G-40