

Roll No.

BCA-402

**B. C. A. (Fourth Semester)
EXAMINATION, May, 2012**

Paper Second

OBJECT ORIENTED DESIGN AND PROGRAMMING

Time : Three Hours]

[Maximum Marks : 75

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

Section – A

6 each

(Numerical/Analytical/Problematic Questions)

1. True or false Justify your answer :

- (i) Constructor can be overloaded like regular method.
- (ii) The array subscript expression is used to change and test the value of array.
- (iii) String objects represent dynamic-length character sequence.
- (iv) String are one of the ways to store information for fast look up.
- (v) Casting does not affect the original object or value.
- (vi) Java language is complete OOPs language.

P. T. O.

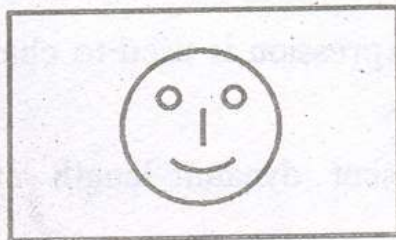
2. Write a C++ program to implement push and pop operation of stack.
3. Write a Java program for a reverse string without using inbuilt function.

Section – B

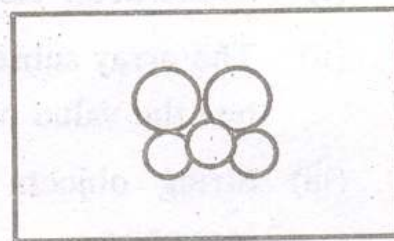
6 each

(Short Answer Type Questions)

4. Write a program to implement address of students and inherit that class in library (issue and submit) of the books.
5. Write a program by using inheritance to display students results inherit student class in result class.
6. Write a program to implement five element queue of integer number, write insert and delete operations.
7. Write a program to insert the records of students in a file by using a key board.
8. Display the content of file (existing file) or applet window.
9. Explain multithreading. Write a program to implement priority in multiple threads.
10. Write a program for applet :



(i)



(ii)

11. Explain the following :

- (i) String and string buffer
- (ii) I/O classes
- (iii) Multithreading

(Long Answer Type Questions)

12. Write a Java program to contain a method get () to get twenty number from the user in the base class. The derived class contains a method dispmaxi () which displays the maximum number and a method dispmini () to display the mini of twenty numbers.
13. Write the difference between languages :
- (i) C and C++
 - (ii) C and Java
 - (iii) C++ and Java