



Jagan Institute of Management Studies

3, Institutional Area, Sector-5, Rohini, Delhi-110085

BCA 271 Practical C++

Practical Assignment III- File Handling, Exception Handling and Templates

Instructions:

- All questions are compulsory.
- Print should be taken only on one side of the page
- Output should be taken with black print on white background
- Prints must be taken using notepad, notepad++ or any text editor **but not using MS-Word** or any word processor.
- Every print must bear the date and time of printing in footer section
- Before starting every program, create a comment section and write your name, enrolment number and problem statement. A sample is given as follows:

```
/*  
Programmer name : xxxxxxxxxxxxxx  
Enrolment number: 6878787878787  
Problem : Write a program to demonstrate use of multiple catch.....  
Date:  
*/
```

No	Practical	CO
1	WAP to count digits, alphabets and spaces, stored in a text file, using streams	CO4
2	WAP to read a series of numbers from a text file and divide them in two separate files having even and odd numbers. Take file names from user through command line	CO4
3	WAP to read and write values through object using file handling	CO4
4	WAP to read objects of a structure emp from a file "emp.dat" and search for a particular empno in it	CO4
5	WAP to implement 'Exception Handling'	CO4
6	WAP to illustrate use of multiple catch statements.	CO4
7	WAP to demonstrate the concept of rethrowing an exception	CO4
8	WAP to show swapping using template function (Generic)	CO4
9	Write a function template to sort an array passed as parameter	CO4
10	Write a generic class to represent a generic vector and perform following: a. Create vector b. Modify value of vector c. Multiply scalar value to vector d. Display vector	CO4