FINAL EXAM ANSWER SHEET

National University
of Computer & Emerging Sciences

SEMESTER : ☐ SPRING ☐ SUMMER ☐ FALL Year 20____

Please Tick Appropriate Boxes

Course OOP Serial No./ 09523

Roll No. 23L0839 Section 2D Date

Serial No. of continuation sheet(s) attached

INSTRUCTIONS FOR CANDIDATES

- Write Question No. In the middle of the line using thick tipped pen.
- Use only blue or black pen to write your answers.
- Answers written using pencil will not be checked.
- Pencil is only allowed to draw diagrams or write program code.

(THIS ANSWER BOOK CONTAINS NOS. 1-18)

Q./Part No.	Marks
Q. - 1	13
Q. - 2	0
Q. - 3	0
Q. - 4	5
Q. - 5	
Q. - 6	
Q. - 7	
Q. - 8	
Q. - 9	
Q. - 10	

Q./Part No.	Marks
Q. - 11	
Q. - 12	
Q. - 13	
Q. - 14	
Q. - 15	
Q. - 16	
Q. - 17	
Q. - 18	
Q. - 19	
Q. - 20	

Marks Obtained

Total Marks

Examiner's Signature

Date

/ Part No.

Rough Work

Q1

~~Int Main ()~~
~~Int doSomething ()~~

i) Int Main ()
In doSomething
In mightGoWrong
Caught bad alloc in doSomething: Bad allocation
Caught rethrown exception in Main: RuntimeError

5

ii)

Start Main
start A
start B
Start C
start D
D throwing Int ~~Expre~~ Exception
B caught Int Exception
End B
End A
End Main

5

iii)

0

iv A B C
X Y Z
A B C

3

Q / Part No.

v)

~~MySort~~

```
Void MySort (int Arr, int Size )
{
  int temp;
  For (int i=0; i< size; i++)
   {
      For (int j=0; j< size-1; j++)
        {
           if (Arr [j] > Arr [j+1])
            {
              Temp = Arr [j];
              Arr [j] = Arr [j+1];
              Arr [j+1] = Temp;
            }
        }
   }
Void MySort (float Arr, Int floatsize)
 {
   float Temp;
   For (int i=0; i< floatsize; i++)
    {
       For (int j=0; j< floatsize-1; j++)
         {
            if (floatArr [j] > floatArr [j+1])
             {
               Temp = floatArr [j];
               floatArr [j] = floatArr [j+1];
               floatArr [j+1] = Temp;
             }
         }
    }
```

6

Scanned with CamScanner

Part No.

Rough Work

```
void MySort (char* StrArr, int StrSiz)
{
    string temp;

    For (int i=0; i<Str.size; i++)
    {
        For (int j=0; j<siz-1; i++)
        {
            if (StrArr[i]
    For (int i=0; i<str.size; i++)
    {
        if (Str.Arr[i][0] > Arr[i][0])
        {
            temp = Arr[i];
            Arr[i] = Arr[i+1];
            Arr[i+1] = temp;
        }
    }
}
```

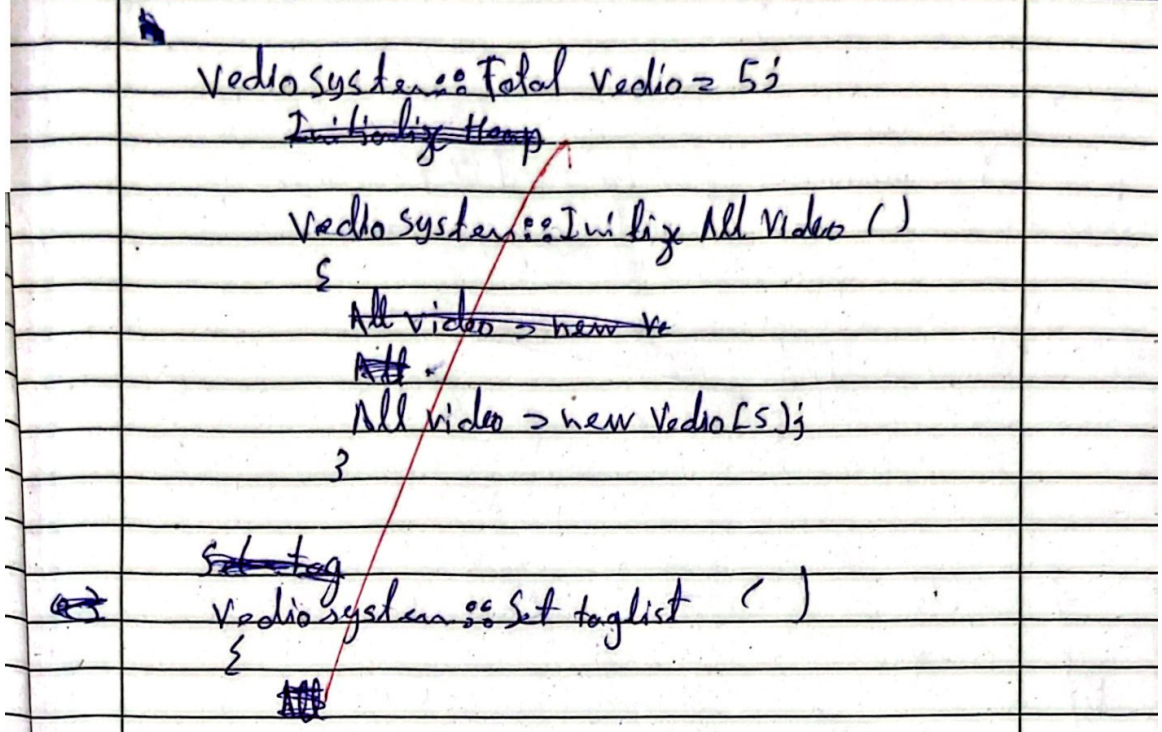
Q / Part No.

Q2

```
int* Video:: GetTagsList ()
{
 Return G
 Return TagsList
}

int Video:: GetID ( )
{
    Return ID;
}
void set TagsList ()
{
  TagList = AllVideos [ID]

Search
int void Search IMDB ( )
{
  For List

Get

int * VideoSystem:: Get Suggest Videos ID
 ByUser Name Preference
```

Part No.

Rough Work



Q / Part No.

Q3

a)

```
Employee :: Operator >> ( Employee & A)
{
  if(name >> "Dob")
  {
      return 1;
  }
  return 0;
```

b)

```
#include <string>
#include <iostream>
using namespace std;

class Date {
   int Day, Month, Year;
Public:
  Date (int d=1, int m=1, int y=1960): Day(d), Month(m), Year(y)
};
Class Person {
string Name;


Public:
Person (string Name)
{
  Name = name;


Person
Void
Person :: Set DoB (Date & A)
  {
     DoB = &A;
  }
```

/ Part No.

Rough Work

Q3

```
Class Contact
{
  string Name;

Public:
  Contact (string Naam=0)
  {
    Name = Naam;
  }
  Void Print ( )
  {
    cout << "Name" << Name << endl;
  }

Class Contact : Public Contact
{
  ~~Phone NO;~~
  string Phone NO;
  string Address;
  string Arr[4]
Public:
  Contact ( string add=0, string PhoneNum=0)
  {
    Phone_No = PhoneNum;
    Address = add;
    Arr[0] = "Mobile"
    Arr[1] = "Home"
  }
```

5

Q / Part No.

~~Cont~~
Class contact Detail

{
integer Details
string Arr[3];

Public:
contact Detail ( )
{
Arr(0) = "Home";
Arr[1] = "Work"
Arr[2] = "Others"
}