## National University of Computer and Emerging Sciences



## Quiz 3

## Computer Programming (CL103)

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Section	В
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Total Marks: 15 Time 30 mins

```
Question:
          Write c++ code for the tasks mentioned in file quiz3.cpp.
         Only submit quiz3.cpp file.
#include <iostream>
#include <string>
using namespace std;
// ****** PART 1
************
// Implement the default constructor for the following class
class HugeInt {
public:
    HugeInt();
private:
    int *data;
    int size;
};
// ****** PART 2
***********
// In the class below write a pure virtual function called �Draw�.
class Shape {
public:
     Shape() {
         x = 0;
         y = 0;
private:
    int x;
    int y;
};
int main()
    // ******* PART 3
***********
    // Write the code of creating the following dynamic 2D int array with
5 rows and 10 columns
    int **dynamic_2d_int_array;
    // ****** PART 4
```

```
***********
     // Write code for deleting the above array dynamic 2d int array
     // ******* PART 5
************
     // Write c++ code that prints int arr
     int size = 10;
     int *int arr = new int[size];
     for (int i = 0; i < size; i++)
         int arr[i] = i * 2;
     }
     // Write code that prints char_arr
     char *char arr = new char[size];
     for (int i = 0; i < size - 1; i++)
     {
          char arr[i] = 'a';
     char_arr[size - 1] = '\0';
     // ****** PART 6
**********
     // Write code to deallocate int_arr and char_arr
     // ******* PART 7
************
     // Comapare the following string arrays index wise
     string pens[4] = { "Blue", "Red", "Orange", "Yellow" };
     string markers[4] = { "Blue", "Red", "Orange", "White" };
     system("pause");
     return 0;
```

}