

Course OOP

Answer Sheet No.

40299

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Q1 → 14 (21)

QUESTION: 1

a)

~~Person () Called.~~~~Person 3 : Alice~~~~Person 1 : Alice~~~~Person 1 : Alice~~~~Person 2 : Alice~~

a)

~~Person () Called.~~~~Op = Called.~~~~Op = Called.~~~~Person 3 : Name : Alice~~~~Person 1 : Name : Alice~~~~Person 2 : Name : Alice~~

b)

~~Obj 2 = 10~~~~Obj 1 = 99~~~~Printing 555~~~~Obj 1 = 99~~

QUESTION: 2

```
Class MyList {
    friend ostream & (ostream &, const MyList &);
```

```
private:
```

```
    char** arr;
```

```
    int size;
```

```
public:
```

```
    MyList() {
```

```
        char* arr = new char[1];
```

```
        size = 1;
```

```
        arr = ' ';
```

```
    }
```

```
    void getSize() {
```

```
        return size;
```

```
    }
```

```
    MyList(char* name, int s) {
```

```
        arr = new char*[s];
```

```
        for (int i = 0; i < s; i++) {
```

```
            arr[i] = new char[20];
```

```
        }
```

```
        for (int i = 0; i < s; i++) {
```

```
            strcpy(arr[i], name);
```

```
        }
```



```

operator
ostream & operator<<(ostream & out, const MyList L &) {
    for(int i=0; i<L.size; i++){
        out << L L.arr[i] << " , ";
    }

```

```

    return out;

```

```

char* n
MyList & operator+(MyList & L) {

```

```

MyList temp;

```

```

    int size;

```

```

temp.size = L.size + 1;

```

```

    size = this->size + 1;

```

```

    MyList temp(n, size);

```

```

    return temp;

```

```

}

```

```

MyList & operator+(MyList & L) {

```

```

    int size;

```

```

    size = L.size + 1;

```

```

    for(int i=0; i<size; i++){

```

```

        strcpy(L.arr[i], this->arr[i]);
    }

```


10.

```
void myList () {
```

```
    for (int i = 0; i < size; i++) {
```

```
        delete [] arr[i];
```

```
    }
```

```
    delete arr;
```

```
}
```