

# CSE337 Sample Quiz

## Questions

1. What are the outputs for the following pieces of code: [10 pts]

```
i. class Myclass:
    def __init__(self, mylist):
        self.mylist1 = mylist
        self.mylist2 = mylist[:]
        mylist[0] = -1
```

```
cls = Myclass([1,2,3])
print cls.mylist1
print cls.mylist2
```

```
ii. numbers = [1, 1, 3, 4]
```

```
def checknums(num):
    if num in numbers:
        return True
    else:
        return False
```

```
for i in filter(checknums, [1,2,3]):
    print i
```

2. Complete the following program segment by filling in the necessary parts to implement the following functionalities. First, assign the value 20 to variable x. Second, print "x is even." and return the x variable if x is an even number, otherwise, multiply x with 5, and print "Value of x = MMM", where MMM is the new value of x, which is 100. [10 pts]

```
x _____
if _____
    _____
    _____
else _____
    _____
    _____
```

3. Identify and fix errors in the following Python program. The function is expected to accept an integer,  $n$ , and the goal of the program is to sum integers from 1 to  $n$  inclusive, and return the value. [10 pts]

```
def sum_values():  
    sum=0  
    for i in range(n):  
        sum += i  
  
sum_values(10)
```