

CSE 309-CT 1

Time – 20 mins

Full marks – 20

1. What is the output of the following code-

5

```
1  a = 100 - 6 % 4 * 5 - 50
2
3  print(a)
```

2. Suppose we have two lists –

12

```
list1 = ["cat",105,"bat",256,512,1024]
list2 = ["coffee","rain"]
```

We want to do the following-

- Write one line code to print the 2nd to 4th element (["bat", 256, 512]) from the list1.
- Write one line code to print the 3rd to the last element ([256, 512, 1024]) from list1. Don't use fixed index to denote the last element here.
- Write one line code to print the 0th to the 3rd element (["cat", 105, "bat", 256]) from list1. Don't use fixed index to denote the 0th element here.
- Write one line code to concatenate list1 and list2 to create list3.

3. Write two line codes where

3

- In the first line you will take an input from user
- In the second line you will check if the number is even or odd.