

Assignment-I

1 What will be the output of the following code snippet?

```
def func(a, b):
```

```
    return b if a == 0 else func(b % a, a) print(func(30, 75))
```

- a) 10**
- b) 20**
- c) 15**
- d) 0**

Ans. C) 15

```
2 numbers = (4, 7, 19, 2, 89, 45, 72, 22)
```

```
sorted_numbers = sorted(numbers)
```

```
even = lambda a: a % 2 == 0
```

```
even_numbers = filter(even, sorted_numbers)
```

```
print(type(even_numbers))
```

- a) Int**
- b) Filter**
- c) List**
- d) Tuple**

Ans.