#### Q21. What is printed?

```
function modify(x)

x = x + 10

return x

a = 5

modify(a)

print(a)
```

#### Q22. Output?

```
function update(arr, i)

arr[i] = arr[i] + 5

arr = [1, 2, 3]

update(arr, 1)

print(arr[1])
```

## **Q23.** Output of the code:

```
x = 100
function check()
x = 50
print(x)
check()
print(x)
```

### Q24. What will be the output?

```
a = 10
function test()
  global a
  a = a + 5

test()
print(a)
```

### **Q25.** Trace the output:

function modify(x)

#### **Q26.** What is printed?

#### **Q27. Predict the output:**

```
function add(val)

val = val + 10

a = 3

add(a)

print(a)
```

### Q28. What will be the output?

function fun(x)  

$$y = x + 10$$
  
return y  
 $y = 5$   
 $z = \text{fun}(y)$   
print(y, z)

# ${\bf Q29.\ Scope\ analysis-What's\ printed?}$

```
x = 1
      function outer()
        x = 2
        function inner()
           print(x)
        inner()
      outer()
Q30. Output?
      x = 10
      function show()
        print(x)
        x = 20
      show()
Q31. Predict the result:
      function increment(x)
        x = x + 1
        return x
      a = increment(2)
      b = increment(a)
      print(b)
Q32. What's the final value of x?
      x = 10
```

# Q33. Trace this code:

change()
print(x)

function change() x = x + 5

```
val = 2
function mul()
  val = val * 2
  return val

print(mul())
```

# Q34. Output of this recursive update:

```
function recUpdate(a)
if a > 10
return a
return recUpdate(a + 2)
print(recUpdate(4))
```

## Q35. What is printed?

```
function f(a, b)

a = a + b

b = a - b

a = a - b

print(a, b)

x = 3

y = 5

f(x, y)
```

print(x, y)