

1. What will be the output of following program after the execution of the following code?

```
x = 0
y = 0
if x > 0:
    y = y + 1
else:
    if x < 0 :
        y = y + 2
    else:
        y = y + 5
print(' Y =',y)
```

2. What will be stored in num after the execution of the following code?

```
i=10
j=20
k=30

if j>k:
    if i > j:
        num = i
    else:
        num = j
else:
    if i > k:
        num = i
    else:
        num = k
print('Num = ',num)
```

3. What will be the output of the following program?

```
P=int(True)
q=int (False)
print ('P = ',p)
print ('q = ',q)
```

- a. Error
- b. p=0 q=1
- c. p=True q=False
- d. p = 1 and q = 0

4. What will be the output of the following code?

```
my_str = "I LOVE PYTHON"
count = 0
for char in my_str:
    count = count + 1
    if char == "E":
        break
print(count)
```

5. What will be the output of the following code?

```
Count = 0
num = 10
while num > 8:
    for y in range(1,5):
        count = count + 1
    num = num - 1
print(count)
```

6. What will be the output of the following code?

```
i=0
s=0
while i<=50:
    If i%7==0:
        s = s+i
        i = i+7
print(s)
```

7. Convert the following while loop into for loop.

```
i=0
s=0
while i<=50:
    if i%7==0:
        s = s+i
        i = i+7
print(s)
```

8. What is the output of the following code?

```
i = 0
while i < 5:
    print(i)
    i += 1
    if i == 3:
        break
else:
    print(0)
```

9. What is the output of the code?

```
i = 0
while i < 3:
    print(i)
    i += 1
else:
    print(0)
```

- (a) 0 1 2 3 0 (b) 0 1 2 0
(c) 0 1 2 (d) error

10. What is the output of the following code?

```
x = "abcdef"
```

```
i = "i"
```

```
while i in x:
```

```
    print(i)
```

(a) i (b) error (c) No output (d) a b c d e f