

SECTION -A (5M)

Answer **ALL** the questions, each question carries **ONE(1)** mark.

1. What will be the output of the following Python code?

```
x = 5
def func(x):
    print(x,end=" ")
    x = 2
    print(x, end=" ")
func(x)
print(x, end=" ")
```

- A) 5 2 2 B) 5 2 5 C) 5 5 5 D) error

2. Fill in the line of the following Python code for calculating the factorial of a number.

```
def fact(num):
    if num == 0:
        return 1
    else:
        return _____
```

- A. num*fact(num-1) B. (num-1)*(num-2) C. num*(num-1) D. fact(num)*fact(num-1)

3. Which of the following sequences would be generated in the given line of code?
range (5, 0, -2)

- A. 5 4 3 2 1 0 -1 B. 5 4 3 2 1 0 C. 5 3 1 D. None of the above

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

```
for l in 'Jhon':
    if l == 'o':
        pass
    print(l, end="")
```

- A) Jhn B) john C) jon D) None

5. A Python function can return multiple values.(True/False)

SECTION – B (10 marks)

Answer Any TWO(2) Questions from given three questions. Each question carries 5 marks.

1.

- a. Explain about arbitrary arguments with example? [2M]
- b. Write a Python function that takes a number as a parameter and check the number is prime or not. [3M]

2.

- a. Explain about break and continue statement with example? [2M]
- b. Write a python program to print the following pattern? [3M]

```
1
12
123
1234
12345
```

3.

- a. Explain for else with example? [2M]
- b. Write a program to print Fibonacci series of given number n using for loop. [3M]