

## SECTION - A

Answer all questions, each question carries ONE (1) mark.

1. A while loop in python is used for what type of iteration?
  - a. indefinite
  - b. Discriminant
  - c. definite
  - d. indeterminate
2. Which of the following is not correct about the conditional statements?
  - a. We can skip the else part in our program
  - b. We can write more than one else statements for one if condition
  - c. We cannot write condition to the else
  - d. All of the above
3. What will be the output of the following?

```
if(2-2):  
    print('Smile')  
if(4-3):  
    print('Happy')  
else:  
    print('Laugh')
```

- a. Smile
  - b. Happy
  - c. Laugh
  - d. Error
4. How many times does the below loop execute?

```
i=0  
while (i<10):  
    if(i%2):  
        i=i+3  
    i=i+1
```

- a. 6
  - b. 5
  - c. 4
  - d. 3
5. What is the output of the following code?

```
n=5  
while(n):  
    n=n-1  
    print(n,end=' ')
```

- a. 5 4 3 2 1
  - b. 4 3 2 1
  - c. 5 4 3 2 1 0
  - d. 4 3 2 1 0

## SECTION - B

Answer any TWO questions from given three questions. Each Question carries 5 Marks.

1.

- a. Define and draw flowcharts for conditional statements (if, if-else)? (2 M)
- b. A Company decides to give bonus to all its employees on Diwali. A 5% bonus on salary is given to the male workers and 10% bonus on salary to the female workers. Write a Python program to enter the salary of the employee and gender of the employee. If the salary of the employee is less than Rs/- 10,000 then the employee gets an extra 2% bonus on salary. Calculate the bonus that has to be given to the employee and display the salary that the employee will get? (3 M)

2.

- a. Explain about while loop with flowchart and example? (2 M)
- b. Write a program to find whether the given number is a Palindrome or not? (3 M)

3.

- a. Define Control statement and while else? (2 M)
- b. Write a program to find whether a given year is a leap year or not? (3 M)

\*\*\* ALL THE BEST\*\*\*