

CHAPTER: LOOPS IN PYTHON

ASSIGNMENT SET – 1

Time: 30 min

M.M. – 20

Instructions:

- All Questions are compulsory
- Q1 to Q4 carry 1 mark
- Q5 to Q9 carry 2 marks
- Q10 to Q11 carry 3 marks

Q1. Write the output of the following:

```
for i in (1,3,5):  
    print(i)
```

Q2. How many times the following loop execute?

```
i=5  
while i > 0:  
    print(i)  
    i=i+1  
print("Loop End")
```

Q3. Identify the error in the following statement and rectify it.

```
For i in range(5):
```

Q4. How many times “Hello” will print in the following code:

```
for i in range(-10,5,1):  
    print("Hello")
```

Q5. Write a program to print first 10 even numbers.

Q6. Convert the following code to while loop:

```
for i in range(10,20,5):  
    print(i)
```

Q7. Write the output of the following code :

```
a=18  
b=0  
while a>b:  
    a=a-2  
    b=b+4  
    print(a)
```

Q8. Write the output of the following code :

```
for i in range(10, 4, -2):  
    print("@"*i)
```

Q9. Accept a number from the user and display it's table in the following format:

If number input is 7 then output should be

$$7 * 1 = 7$$

$$7 * 2 = 14$$

Display this till

$$7 * 10 = 70$$

Q10. Write a program to check whether a number accepted from user is prime or not.

Q11. Write the code to display the following pattern

1

1 2

1 2 3

1 2 3 4

1 2 3 4 5