**Please answer correctly. There is only one correct answer**

1. What will be the output of the following expression if it is executed in Python interactive mode?

16 % 3

a. 5 **b. 1**

c. 0 d. -1

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

X=5

Y=5

print(X/Y)

a. 1 **b. 1.0**

c. 0.1 d. None of the above

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

print(15 + 20 / 5 + 3 \* 2 - 1)

a. 19.0 b. 19

c. 12.0 **d. 24.0**

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

A=7

B=4

C=2

print(a//b/c)

a. 0.85 b. 0

**c. 0.5**  d. 0.0

5. Which one of the following operators belongs to floor division?

a. % b. /

**c. //**  d. None of the above

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

X=4.6

Y=15

Z=X//Y

print(Z)

a. 0 **b. 0.0**

c. 0.30 d. None of the above

7. If str1='Hari', what is the output of print(str1[4])

a. i b. \0

**c. Exception is raised** d. None of the above

8. What is the output of "Hari"=="hari"

a. True **b. False**

c. An exception is raised

9. What is the output of '567'>'989'

a. True **b. False**

c. An exception is raised d. None of the above

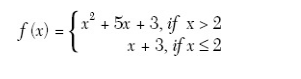
10. What is the output of 3\*'A'

(a) '3A' (b) Character corresponding to the ascii value 65 × 3?

**(c) 'AAA'**  (d) None of the above

11. Write a program with conditional if to find the bigger number in two x=10, y=12.

12. Create the following function in python and check for x=3 and x=1.5



13. Find the factor of x=45.

(Example for Factors; all those number which can divide 12, i.e. 1,2,3,4,6,12)

14. Ask the user to enter their name and then display their name three times.

15. Write a program to display the numbers of a series 1, 4, 9, 16, 25,…625 by using for loop.

324

361

400

441

484

529

576

625

16. create two list using for loop where one list contains only positive elements and second list contains only negatives from the below.

[0,5,-3,2,4,-6,4,3,-5,3,6,-7,5,35,6,-7,8,7,6,5,-7,8,-19,5,43,45,-34,5,67,566,3,3,4,6,7,84,64,4]