**MODULE 1 - PYTHON BASICS**

**Q1.** Using Python script as a calculator

Create the variables n, r, p and assign them values 10, 5, and 100 respectively. Then evaluate the following expression in the Python console.

�� = �� (1 + ��/ 100)n

a. 100

b. 162.89

c. 189

d. None of the above

**Q2.** In a given string format operation, how will you print the given string. A = 10

B = 20

Str = "There are {} students in the class, with {} who play at least one sport." a. print(string.format(a,b))

b. print(string+a+b)

c. print(string.format(b,a))

d. None of the above

**Q3.** In a given sample string, How do you print a double quoted string in between a regular string using the escape character?

Sample output = It goes without saying, “Time is Money”, and none can deny it. a. print(“It goes without saying, \“Time is Money\”, and none can deny it.”) b. print(“It goes without saying, \Time is Money\, and none can deny it.”) c. print(“It goes without saying” + “Time is Money” + “and none can deny it.”) d. None of the above.

**Q4.** What will be the output of the following code?

x = lambda a,b: a//b

x(10,3)

a. 3.3333333333

b. 3

c. 30

d. 1000

**Q5.** What will be the output of the following code?

A = 10

B = 12

print("Smaller") if A == B else print("Greater") if A < B else print("True")

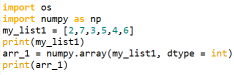
a. True

b. Smaller

c. Greater

d. None of the above

**Q6.** What will be the output of the following code?



a. [2 7 3 5 4 6]

b. TypeError

c. NameError: name 'numpy' is not defined

d. None of the above

**Q7.** Create a string called ‘string’ with the value as “Machine Learning”. Which code(s) is/are appropriate to slice the sub-string “Learn”?

a. string[slice(13,8,1)]

b. string[slice(1,8,1)]

c. string[8:14]

d. string[slice(8,13,1)]

**Q8.** Create a sequence of numbers from 10 to 25 and increment by 4. What is the index of the

value 18?

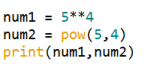
a. 3

b. 2

c. 0

d. 1

**Q9.** Which of the following is true with respect to the below codes?



a. num1 = num2

b. num1 ≠ num2

c. num1 < num2

d. num1 > num2

**Q10.**A Python NameError exception is raised when: -

a. Trying to access a variable which has not been defined

b. Trying to access a key in a dictionary that does not exist

c. Accessing a column with misspelled column name

d. Accessing the function from a module that has not been imported

**Q11.**What type of exception will be raised for the code given below?



a. NameError

b. KeyError

c. ValueError

d. AttributeError

**Q12.**A **FileNotFoundError** exception is raised by operating system errors when: - a. Trying to create a file or directory which already exists

**b. A file or directory is requested but does not exist in the working directory** c. Trying to run an operation without the adequate access rights

d. A directory operation, os.listdir() is requested on something which is not a directory

**Q13**.Consider a variable Z. The value of Z is "ID-5632". Data type of Z is: - a. Complex

b. Character

c. Integer

d. Boolean

**Q14**.Which of the following variable(s) are character data type?

a. K= “4”

b. J= “Welcome”

c. L= “?”

d. All of the above

**Q15.**Choose the symbol/s that **does not** have the ability to convert any values to string?

a. ( )

b. “ ”

c. {}

d. #