FINAL EVALUATION

PYTHON PROGRAMMING LANGUAGE

DURATION: 1:30 MINS

Instructions: Answers 8 questions, Number 10 is compulsory. Remember, this evaluation has a lot to do with your certification.

1) Variable Data Types

    a) Create a variable called "age" and assign it the value 25. Print the value of the variable.

    b) What is the difference between an integer and a floating-point number in Python? Provide an example for each.

2) Basic Operations

    a) Write a Python program that adds two numbers together and prints the result.

    b) Write a Python program that takes a number as input and multiplies it by 10. Print the result.

3) Control Structures

    a) Write a Python program that checks if a number is even or odd. If the number is even, print "Even", otherwise print "Odd".

    b) Write a Python program that takes a number as input and checks if it is positive, negative, or zero. Print the result.

4) Lists and Loops

    a) Create a list of numbers from 1 to 10. Print each number in the list using a loop.

    b) Write a Python program that takes a list of numbers as input and returns the sum of all the numbers in the list.

5) Functions

    a) Write a Python function that takes two numbers as input and returns their sum.

    b) Write a Python function that takes a list of numbers as input and returns the average of all the numbers in the list.

6) File Handling

    a) Write a Python program that reads a text file and prints its contents to the console.

    b) Write a Python program that writes a list of numbers to a text file.

7) Libraries and Modules

   a) Install and Import the "math" module and use its "sqrt" function to calculate the square root of a number.

   b) Install and Import the "random" module and use its "randint" function to generate a random number between 1 and 10.

   c) Install and Import the "pywhatkit" module and use its "whatsapp" function to send a DM to your tutor with the body “Good Day Sir”

8) Explain the following terms relating to Python programming Language with examples where needed
   a) Escape Sequence
   b) Keywords
   c) Datatypes
   d) Dictionary
   e) Module
   f) Interpreter
9) Give a brief history of python, who built it, what led to Python and others.
10) Give a feedback on this Python course, your instructor and this examination.

BEST OF LUCK