**Multiple Choice Questions**

Q1. Which symbol is used for a single-line comment in Python?

a) #  
b) //  
c) /\* \*/  
d) ' '

Answer : option(a)

Q2. What does the following expression return: 7 == 7?

a) True  
b) False  
c) Error  
d) None of the above

Answer : option (a)

Q3. What is the output of the following code snippet?  
x = 10  
x += 5  
print(x)

a) 5  
b) 10  
c) 15  
d) Error

Answer : option(c)

Fill-in-the-Blanks

Q4. The “//” operator is used to divide two numbers and round down the result to the nearest whole number.

Q5. In Python, ”>” and “<” operators are used to compare two values.

Q6. Which operator is used to get a float division value “/”

True or False

Q7. In Python, x = 5 and X = 5 are considered the same.  
True  
False

Answer : False

Q8. The != operator in Python means "not equal to".  
True  
False

Answer : True

Q9. An assignment operator is used to compare two values in Python.  
True  
False

Answer : False

Q11. Implement a Python script and create a variable and store the user's name through an i. Once the name is stored, the script should output a greeting that is personalised to the name given. For instance, if the input name is "Alice", the output should be "Hello, Alice!"

Q12. Create a Python program that calculates the radius of a circle. The program should then compute the area of the circle using the formula area = π \* radius^2 and display the result. You should use 3.14 as the value of π.