Visual Basic Name -
Unit 2 Practice Test – Variables & Assignment Statements Period -

Part I – True/False

1. An `Integer` variables uses less memory than a `Double` variable.
2. Statements that declare constants begin with the keyword `Const`.
3. A module variable has narrower scope than a local variable.
4. `grandTotal = appleSubtotal + donutSubtotal` is an assignment statement.
5. 14 Mod 5 is 4.
6. The expression `2 ^ x` evaluates to 8 if `x` is 3 .
7. A module variable or constant can be used in any method on a form.
8. When possible, it is better to use a local variable than a module variable.

Part II – Evaluate the following expressions. Be sure to enclose string values in double quotes. If an error would occur, print "error". Assume that `num1 = 10, sum = 23` and `num2 = "8"`.

9. `Str(num1) + num2` _____

10. `8 * Val(num2)` _____

11. `num2 * 1 ^ num1` _____

12. `12 – 4 + 5` _____

13. `num1 * (2 * num1 ^ 2)` _____

Part III – Write a VB statements that perform the following tasks. You can assume that any necessary variables have been declared unless you are specifically asked to write a declaration statement.

14. Write an **assignment statement** that sets the `Text` property of a label named `lblMessage` to the phrase "`Hello world`".

15. Write a **declaration statement** that declares an `Integer` variable named `score` & initializes it to the value `0`.

16. Write an **assignment statement** that stores the product of 0.06 times `price` to the variable named `total`. You can assume that `price` and `total` have been declared.

17. Write an **assignment statement** that causes the variable `totalCost` to be assigned the number of donuts stored in `numDonuts` times the price of each donut stored in `PRICE_PER_DONUT` along with 6% sales tax added in.

18. On the back, neatly print the Hello World program that you memorized the first week of school.

Part IV – Essay – Answer each of the following question(s) as completely as possible on the back.

19. Explain how the data types `Integer` and `Double` are used differently.