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

Part I – True/False

1. `Integer` variables use 4 bytes of memory.
2. Statements that declare constants begin with the keyword `Const`.
3. A module variable has narrower scope than a local variable.
4. According to Banker's Rounding, 2.5 would round to the value 3.
5. 14 Mod 5 is 4.
6. The expression `2 ^ intX` evaluates to 8 if `intX` is 3 .

On the back of the paper, make up 5 more true/false questions from our lecture notes and provide the answers.

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

7. `Str(intSum) + strNum` _____

8. `8 * Val(strNum)` _____

9. `strNum * 1 ^ intNum` _____

10. `12 - 4 + 5` _____

11. `intNum * (2 * intNum ^ 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.

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

13. Write a **declaration statement** that declares a variable named `dblScore` & initializes it to the value `0`.

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

15. Write an **assignment statement** that computes the amount of 6% sales tax that would be applied to a customer's purchase of several coffee cups and stores that tax amount in the variable `dblTaxAmount`. You can assume that the price of the coffee cup is stored in the variable `mdblCOFFEE_CUP_PRICE` and that the number of coffee cups purchased is stored in the variable `intNumCups`. Only the amount of the tax should be stored in `dblTaxAmount` and not the whole amount of the cost of the coffee cups.

16. 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.

17. Give details of two important data types that have been studied in this course.