ST. LAWRENCE HIGH SCHOOL

A Jesuit Christian Minority Institution

WORKSHEET -14(ANSWER KEY)

Topic – QBASIC :Do …Loops and Nested Loop

Subject: COMPUTER   **Class - 7**   **F.M:15**

Chapter: QBASIC : Loops   **Date: 16/11/2020**

Choose the correct answer for each question: [15 x 1 =15]

1. DO WHILE … loop is executed 'while' the test expression in the loop is _____.
   a. **<u>True</u>**
   b. False
   c. Either true or false
   d. None of these

2. The initial value must be given _____ the DO WHILE command.
   a. After
   b. **<u>Before</u>**
   c. Within
   d. None of these

3. DO UNTIL … loop is executed till the condition specified is _____.
   a. True
   b. **<u>False</u>**
   c. Either true or false
   d. None of these

4. What is the output for the following?
   Let num = 1
   FOR a= 1 to 5 step 1
       num = num * a
   NEXT a
   PRINT num
   a. 1
   b. 5
   c. 20
   d. **<u>120</u>**

5. Which is the most time-saving commands to print your name 15 times?
   a. PRINT command 15 times
   b. **<u>FOR…NEXT loop</u>**
   c. DO WHILE… loop
   d. Nested loop

6. In _____ loop the control variable increment/decrement automatically.
   a. **<u>For loop</u>**
   b. Do While loop
   c. Do Until loop
   d. Nested

7. What is the result, when the following code of segment is executed:

```
LET c = 0
DO WHILE c< =5
    c= c+1
LOOP
PRINT c
```

    a. 1
    b. <u>5</u>
    c. 6
    d. 0

8. The STEP is the increment/ decrement of the _____.

    a. <u>Counter variable</u>
    b. Condition
    c. Statement
    d. None of these

9. The DO... loop has _____ forms in QBASIC.

    a. One
    b. <u>Two</u>
    c. Three
    d. Four

10. What is the result of the following code segment:

```
FOR a= 7 to 1 STEP 1
    PRINT a
NEXT a
```

    a. First 7 natural numbers in reverse order
    b. First 7 natural numbers
    c. <u>No output</u>
    d. Only 1

11. What is the result of the following code segment:

```
a = 1
DO WHILE a < = 7
    PRINT a
    a = a +1
LOOP
```

    a. First 7 natural numbers in reverse order
    b. <u>First 7 natural numbers</u>
    c. No output as test condition fails
    d. Only 1

12. What is the result of the following code segment:

```
a = 7
DO WHILE a >= 1
    PRINT a
    a = a -1
LOOP
```

    a. <u>First 7 natural numbers in reverse order</u>
    b. First 7 natural numbers

     c. No output as test condition fails

     d. Only 1

13. What is the result of the following code segment:

    a = 1

    DO WHILE a < = 7

      REM a

      a = a +1

    LOOP

     a. First 7 natural numbers in reverse order

     b. First 7 natural numbers

     c. <u>No output as there is no PRINT command</u>

     d. Only 1

14. When one loop is used inside another loop, it is called _____ loop.

     a. For loop

     b. Do While loop

     c. Do Until loop

     d. <u>Nested</u>

15. How many control variables are required for nested loop?

     a. Zero

     b. One

     c. <u>More than one</u>

     d. None of these

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