



ST. LAWRENCE HIGH SCHOOL



A Jesuit Christian Minority Institution

WORKSHEET -14

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]

- DO WHILE ... loop is executed 'while' the test expression in the loop is _____.
 - True
 - False
 - Either true or false
 - None of these
- The initial value must be given _____ the DO WHILE command.
 - After
 - Before
 - Within
 - None of these
- DO UNTIL ... loop is executed till the condition specified is _____.
 - True
 - False
 - Either true or false
 - None of these
- What is the output for the following?
Let num = 1
FOR a= 1 to 5 step 1
 num = num * a
NEXT a
PRINT num
 - 1
 - 5
 - 20
 - 120
- Which is the most time-saving commands to print your name 15 times?
 - PRINT command 15 times
 - FOR...NEXT loop
 - DO WHILE... loop
 - Nested loop
- In _____ loop the control variable increment/decrement automatically.
 - For loop
 - Do While loop
 - Do Until loop
 - 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. 5
 - c. 6
 - d. 0
8. The STEP is the increment/ decrement of the _____.
- a. Counter variable
 - b. Condition
 - c. Statement
 - d. None of these
9. The DO... loop has _____ forms in QBASIC.
- a. One
 - b. Two
 - 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. No output
- 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. First 7 natural numbers
- 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. First 7 natural numbers in reverse order
- 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. No output as there is no PRINT command
  - 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. Nested
15. How many control variables are required for nested loop?
- a. Zero
  - b. One
  - c. More than one
  - d. None of these

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