#### FOR CLASS:-VII<sup>th</sup> CHAPTER:-5 QUESTIONS AND ANSWERS

RSMPS,SUPAUL

## Important terms:-

Words to Know

- Loop: It is used to repeat the execution of a group of statements many times.
- Looping statements: Statements that enable you to create loops.

# RECAP ZONE Z

- Looping statements are used to repeat the execution of a certain set of statements multiple times.
- FOR...NEXT and DO...LOOP are two looping statements in QBASIC.
- The FOR...NEXT statement is used when you know the number of times a specified set of statements has to be executed.
- The D0...LOOP statement repeats a set of statements while or until a condition is true.
- A FOR...NEXT loop can be stopped by using the EXIT FOR statement.
- A DO...LOOP can be stopped by using the EXIT DO statement.



<mark>Answer:-</mark> 1. –(b)

# 2. -(b)





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1	
	FOR I = 1 TO 10
1	PRINT "Enter the percentage of student number"; i
	INPUT percentage
	sum = sum +
1	NEXT I
	average = sum/
	PRINT "The average percentage is"; average
Answer:- Sum Ave	n = Sum + Percentage rage = Sum / 10
Write a progra	Practice Zone
	(
Answer	CLS
             	= 1 DO WHILE I <=1 PRINT "YOUR NAME" = I + 1 .00P END

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A. Gh	oose the correct answe	er.		
1.	Which of the following	looping statem	ents is most suitable when	a number of statements h
	to be executed a fixed	number of time	es?	
	a) DO WHILELOOP		b) DO UI	VTILLOOP
	c) FORNEXT		d) None	of these
			_	
2.	The default value of t	he step value is	š	
	a) 1	<b>b)</b> O	c) -1	d) None of t
3.	The step value can be	3	······	
	<ul> <li>a) a positive value</li> </ul>		b) and	agative value
	c) a decimal value		d) All c	of these
4.	How many times will t	he following loo	op be executed?	
	X=0		\$1. 10	
	DO WHILE X>10			
	PRINT "*"			1035 <sup>- 1</sup>
	LOOP			
	a) 10	<b>b)</b> 5	<b>c)</b> O	d) 9
5.	In a FORNEXT loop,	if the final valu	ue is less than the initial v	alue, then the STEP value
	De			-10/2
			D) neg	ative
6	What will be the outp	ut for the follow	u) NON	e of these
υ.	FOR $V=1$ TO 10		ang program:	1
	NEXT V			
	PRINT V			
	a) 1	<b>b)</b> 10	c) 11	d) None of th
			wor	
vers_	of <u>Undose the c</u>	orrectans		

B. Write the value taken by the control variable in the following FOR statements.

	FOR statement	Values	
1.	FOR X≈5 TO 10 STEP 2	5, 7, 9	
2.	FOR X=20 TO 1 STEP -5		
3.	FOR X=100 TO 105		
4.	FOR X=4 TO 6 STEPP 0.5 .		

Answers of B:-

(1)5,7,9

(3) 100,101,102,103,104,105

(2) 20, 15, 10, 5 (4) 4,4.5,5,5.5,6

C. Find error(s) in the following programs and write the correct code.

```
1. FOR R=1, 5
PRINT R
```

NEXT A

**2.** X=1

DO LOOP X<5 PRINT X

X=X+1

WHILE

2.	Answer the following questions:-		
	1. Answer:-	FOR R = 1 TO 5	
		PRINT R	
		NEXT A	
	2. Answer:-	X=1	
		DO WHILE X<5	
		PRINT X	
		X = X+1	
		LOOP	

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#### D. Answer the following questions.

- What is a loop? How can you create loops in QBASIC?
- 2. What is the use of step value in a FOR...NEXT loop?
- 3. How is a DO WHILE...LOOP different from DO UNTIL...LOOP?
- Give the significance of the EXIT DO and EXIT FOR statements.
- 5. What should be the step value in the following code?

```
REM Display multiples of 3
```

```
FOR I=3 TO 30 STEP
```

PRINT I

NEXT I

### D. Answer the following questions:-

**1.** Answer:- A loop is used to repeat the execution of a group of statements many times. Statements that enable us to create loops are known as looping statements. By using looping statements we can create loops.

- 2. Answer:- Step value is the value by which the counter variable is incremented or decremented every time the loop body is executed.
- **3.** Answer:- The DO WHILE...LOOP is executed as long as the specified condition is TRUE.

But,

DO UNTIL.... LOOP is executed the loop continuously as long as condition is false.

- **4.** Answer:- Exit for statement stop the execution of a FOR... NEXT LOOP. And Exit do statement stop the execution of a Do ... loop.
- **5.** Answer:- Step value should be 3 for the given program.

E. The following program was written to display even numbers between 4 and 44 in reverse order. The program is not giving the desired output. Identify and correct the mistake in the program.

REM Program to display even numbers FOR X=44 to 4 STEP 4 PRINT X NEXT X

E. Answer:-

REM Program to display even numbers FOR X = 44 TO 4 STEP -4

PRINT X

NEXT X

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