

# Banking Daily Quiz Blog - April 25



1. What should come in place of (?) in the expression  $P ? U = E > J; E ? M < W$  respectively so that the expression  $W > P$  definitely holds true?

A  $=, >$

B  $=, =$

C  $<, =$

D None of these

E  $\geq, \leq$

### Solution

From option b,

$P = U = E > J; E = M < W$ . So,  $W > P$  is true.

**In this question, there are two statements (A) and (B). These statements may either be independent causes or effects of independent causes or a common cause. One of these statements may be the effect of the other statement. Read both the statements carefully and decide which of the following answer choice correctly depicts the relationship between these two statements.**

**2. A. Around 60% of the computer and software professionals of Country X wish to pursue ethical hacking.**

**B. The IT companies in three of the neighbouring countries of Country X recently faced an attack of ‘Hacker Virus’ in many of their systems.**

**A** Both statements A and B are independent causes.

**B** Both statements A and B are effects of some common cause.

**C** Statement B is the cause and statement A is its effect.

**D** Statement A is the cause and statement B is its effect.

**E** Both statements A and B are effects of independent causes.

**Solution**

The statement B states that IT companies of neighbouring countries of country X faced 'Hacker Virus' in their systems and statement A states that 60% of computer professionals in country X wants to pursue ethical hacking. Statement B is the cause and statement A is its effect.

**3. Direction: Study the following information carefully and answer the given questions.**

When a word and number arrangement machine is given an input line of words and numbers, it arranges them following a particular rule. The following is an illustration of input and rearrangement : (All the numbers are two-digit numbers before performing the operations)

Input : tweet 43 also 13 suit 29 money kite 71 59.

Step I : Is tweet 43 13 suit 29 money kite 59 73.

Step II : kt ls tweet 43 13 suit 29 money 73 61.

Step III : mny kt ls tweet 13 suit 29 73 61 47.

Step IV : st mny kt ls tweet 13 73 61 47 31.

Step V : twt st mny kt ls 73 61 47 31 19.

Step V is the last step of the above arrangement as the intended output of arrangement is obtained. As per the rules followed in the given steps, find the appropriate steps for the given input.

Input : neat bites 23 11 piles your 37 79 give 47

**A. In step II of the given arrangement, which elements appear to the immediate right and immediate left of 'neat' respectively?**

**A** '37' and 'piles'

**B** '11 and 'your'

**C** 'give' and '11'

D

piles and gv

E

'23' and 'bts'

### Solution

The words are arranged in the alphabetical order and eliminate vowels from the word and numbers are arranged in the descending order.

In step I, word is arranged in the left end and number is arranged in the right end. In step II, next word is arranged before the previous word and next number is arranged after the previous number. The operation goes on like this.

Input : neat bites 23 11 piles your 37 79 give 47

Step I : bts neat 23 11 piles your 37 give 47 83

Step II : gv bts neat 23 11 piles your 37 83 53

Step III : nt gv bts 23 11 piles your 83 53 41

Step IV : pls nt gv bts 11 your 83 53 41 29

Step V : yr pls nt gv bts 83 53 41 29 13

Hence, in step II '23' is immediate right of 'neat' and 'bts' is immediate left of 'neat'.

- B. Which is the fourth element to the right of '11' in the Step IV of the given arrangement?**

A 29

**B 41**

C bts

D 83

E Your

### Solution

The words are arranged in the alphabetical order and eliminate vowels from the word and numbers are arranged in the descending order.

In step I, word is arranged in the left end and number is arranged in the right end. In step II, next word is arranged before the previous word and next number is arranged after the previous number. The operation goes on like this.

Input : neat bites 23 11 piles your 37 79 give 47

Step I : bts neat 23 11 piles your 37 give 47 83

Step II : gv bts neat 23 11 piles your 37 83 53

Step III : nt gv bts 23 11 piles your 83 53 41

Step IV : pls nt gv bts 11 your 83 53 41 29

Step V : yr pls nt gv bts 83 53 41 29 13

Hence, in step IV, fourth element to right of '11' is '41'.

C. Which is the third element to the left of the seventh element from the left end in step V of the given arrangement?

**A** gv

B 53

C 41

D nt

E 83

### Solution

The words are arranged in the alphabetical order and eliminate vowels from the word and numbers are arranged in the descending order.

In step I, word is arranged in the left end and number is arranged in the right end. In step II, next word is arranged before the previous word and next number is arranged after the previous number. The operation goes on like this.



Input : neat bites 23 11 piles your 37 79 give 47

Step I : bts neat 23 11 piles your 37 give 47 83

Step II : gv bts neat 23 11 piles your 37 83 53

Step III : nt gv bts 23 11 piles your 83 53 41

Step IV : pls nt gv bts 11 your 83 53 41 29

Step V : yr pls nt gv bts 83 53 41 29 13

Hence, in step V seventh element from the left end is '53'. Third element to left of '53' is 'gv'.

- D. As per the given arrangement, in step IV, 'pls is related to 'gv' following a certain pattern. Following the same pattern, '83' is related to '41' in step III. In step V, to which of the following is 'bts' related to following the same pattern?**

**A** gv

**B** 53

**C** 41

**D** nt

**E** yr

## Solution

The words are arranged in the alphabetical order and eliminate vowels from the word and numbers are arranged in the descending order.

In step I, word is arranged in the left end and number is arranged in the right end. In step II, next word is arranged before the previous word and next number is arranged after the previous number. The operation goes on like this.

Input : neat bites 23 11 piles your 37 79 give 47

Step I : bts neat 23 11 piles your 37 give 47 83

Step II : gv bts neat 23 11 piles your 37 83 53

Step III : nt gv bts 23 11 piles your 83 53 41

Step IV : pls nt gv bts 11 your 83 53 41 29

Step V : yr pls nt gv bts 83 53 41 29 13

In step IV, there is one word between 'pls' and 'gv' and 'pls' is before 'gv'. Similarly, in step III, there is one word between '83' and '41' and '83' is before '41'.

In step V, there is one word between 'bts' and '53' and 'bts' is before '53'.

**E. In which one of the following steps is 'bts 11 your' found consecutively in the same order in the given arrangement?**

**A** Step II

**B**

Step III

**C**

Step V

**D**

There is no such step

**E****Step IV**

### Solution

The words are arranged in the alphabetical order and eliminate vowels from the word and numbers are arranged in the descending order.

In step I, word is arranged in the left end and number is arranged in the right end. In step II, next word is arranged before the previous word and next number is arranged after the previous number. The operation goes on like this.

Input : neat bites 23 11 piles your 37 79 give 47

Step I : bts neat 23 11 piles your 37 give 47 83

Step II : gv bts neat 23 11 piles your 37 83 53

Step III : nt gv bts 23 11 piles your 83 53 41

Step IV : pls nt gv bts 11 your 83 53 41 29

Step V : yr pls nt gv bts 83 53 41 29 13

Hence, in step IV, 'bts 11 your' found consecutively.

F. How many elements are there between 'your' and '83' in step III of the given arrangement?

A None

B Three

C Two

D One

E Four

### Solution

The words are arranged in the alphabetical order and eliminate vowels from the word and numbers are arranged in the descending order.

In step I, word is arranged in the left end and number is arranged in the right end. In step II, next word is arranged before the previous word and next number is arranged after the previous number. The operation goes on like this.

Input : neat bites 23 11 piles your 37 79 give 47

Step I : bts neat 23 11 piles your 37 give 47 83

Step II : gv bts neat 23 11 piles your 37 83 53

Step III : nt gv bts 23 11 piles your 83 53 41

Step IV : pls nt gv bts 11 your 83 53 41 29

Step V : yr pls nt gv bts 83 53 41 29 13

Hence, in step III there is no element between 'your' and '83'.

**Direction:** In the following questions assuming the given statements to be true, find which of the conclusion among given conclusions is/are definitely true and then give your answers accordingly.

4. Statements :  $H \leq Q \leq R = E$ ;  $P \geq B > H$

**Conclusions :**

**I.  $Q \leq B$**

**II.  $B > P$**

**A** Neither conclusion I nor II is true

**B** Both conclusions I and II are true

**C** Only conclusion I is true

**D** Only conclusion II is true

**E** Either conclusion I or II is true

**Solution**

Given statements:  $H \leq Q \leq R = E$ ;  $P \geq B > H$

On combining the given statements:  $P \geq B > H \leq Q \leq R = E$

Conclusions : I.  $Q \leq B \rightarrow \text{False}$  (as  $B > H \leq Q$ )  $\rightarrow$  thus relation between Q and B cannot be determined.

II.  $B > P \rightarrow \text{False}$  (as  $P \geq B$ ).

Hence, neither conclusion I nor II is true.

**Direction :** In each of the following question assuming the given statements to be true, find which of the conclusion among given conclusions is/ are definitely true and then give your answers accordingly.

5. **Statements:**  $M > N > O \leq P$ ;  $P < Q \leq R = S$

**Conclusions :**

**I.**  $N > Q$

**II.**  $S \leq P$

**A** Only II follows

**B** Only I follows

**C** Both I and II follows

**D** Either I or II follows

**E** Neither I nor II follows

**Solution**

Given statement:  $M > N > O \leq P$ ;  $P < Q \leq R = S$

On combining:  $M > N > O \leq P < Q \leq R = S$



Conclusion: I.  $N > Q \rightarrow \text{False}$  (as  $N > O \rightarrow O \leq P \rightarrow P < Q$ ) thus clear relation between N and Q cannot be determined as the symbols are in reverse order.

II.  $P \leq S \rightarrow \text{False}$  (as  $P < Q \rightarrow Q \leq R \rightarrow R = S$ ) ' $<$ ' symbol is used between P and S. Hence, the relation between P and S is  $P < S$ .

Therefore, neither conclusion I nor conclusion II follows.

