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Sequential Output Tracing Questions for SBI PO Pre, IBPS PO Pre, SBI Clerk Mains and IBPS Clerk Mains Exams.

Set 43

Directions: A word arrangement machine when given an input line of words rearranges them following a particular logic at each step.

Input : Letters Received Box Post Office

Step I: Received Letters Box Post Office

Step II: Received Letters Office Box Post

Step III: Received Letters Office Post Box

Step IV: Box Received Letters Office Post

Step V : Box Letters Received Office Post

Step VI: Box Letters Office Received Post

Step VII: Box Letters Office Post Received

Step VII is the last step and the final output as well.

You have to find out the final output and the different steps of rearrangement for the following input.

Input: Online Recharge Website Pay Less

Questions :

1. Which of the following is second to the right of fifth word from right end in step III?

- A. Less B. Website C. Online D. Pay E. None of the above

2. "Less Recharge Website Online Pay" represents which of the following steps?

- A. Step V B. Step IV C. Step II D. Step III E. There is no such step

3. Which of the following is the final step of the output?

- A. Recharge Website Online Less Pay B. Less Online Recharge Website Pay
C. Recharge Online Website Pay Less D. Less Online Pay Recharge Website
E. None of these.

4. Which of the following is second to the right of "Website" in step II?

- A. Online B. Pay C. Recharge D. Less E. None of the above

5. In which of the following steps, Less is placed second to the left of Recharge?

- A. Step III B. Step IV C. Step V D. Step VI E. There is no such step

Correct Answers:

1	2	3	4	5
C	B	D	B	C



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Common Explanations:



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Logic: The logic for rearrangement works in two steps.

Step 1: Firstly all the words are arranged at extreme left end in descending order of number of letters within the word. Only one word is rearranged at each step.

Step 2: When the arrangement is arranged as per descending order of number of letters of the word then all the words are arranged as per alphabetical order such that the word that comes first as per alphabetical order is shifted to extreme left end then the second word as per alphabetical order is shifted second from left end and so on. Only one word is arranged at one step.

Reference:

Input : Letters Received Box Post Office

Step I: Received Letters Box Post Office

Inference:

Input: Online Recharge Website Pay Less

Step I: Recharge Online Website Pay Less

Reference:

Step I: Received Letters Box Post Office

Step II: Received Letters Office Box Post

Inference:

Step I: Recharge Online Website Pay Less

Step II: Recharge Website Online Pay Less

Reference:

Step II: Received Letters Office Box Post

Step III: Received Letters Office Post Box

Step IV: Box Received Letters Office Post

By Step IV, we can see that all the words are arranged as per descending order of number of letters.

Inference:

Step II: Recharge Website Online Pay Less

Step III: Recharge Website Online Less Pay

In Step III, we can see that all the words are arranged as per descending order of number of letters, thus from step IV onwards we will rearrange them in alphabetical order.

Reference:

Step IV: Box Received Letters Office Post
Step V : Box Letters Received Office Post

Inference:

Step III: Recharge Website Online Less Pay
Step IV: Less Recharge Website Online Pay

Reference:

Step V : Box Letters Received Office Post
Step VI: Box Letters Office Received Post

Inference:

Step IV: Less Recharge Website Online Pay
Step V: Less Online Recharge Website Pay

Reference:

Step VI: Box Letters Office Received Post
Step VII: Box Letters Office Post Received

Inference:

Step V: Less Online Recharge Website Pay
Step VI: Less Online Pay Recharge Website

The given arrangement is complete as all the words are now arranged as per alphabetical order. Thus Step VI is the final output.

Final Output:

Input: Online Recharge Website Pay Less
Step I: Recharge Online Website Pay Less
Step II: Recharge Website Online Pay Less
Step III: Recharge Website Online Less Pay
Step IV: Less Recharge Website Online Pay
Step V: Less Online Recharge Website Pay
Step VI: Less Online Pay Recharge Website

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Answers :



1. Following the common explanation, we have

The fifth word from right end in step III is Recharge and second word to its right is "Online".

Hence option C is correct.

2. Following the common explanation, we have

Less Recharge Website Online Pay is the step IV of the output.

Hence option B is correct.

3. Following the common explanation, we have

"Less Online Pay Recharge Website" is the final step of the output.

Hence option D is correct.

4. Following the common explanation, we have

Pay is second to the right of Website in step II.

Hence option B is correct.

5. Following the common explanation, we have

In step V, Less is second to the left of Recharge.

Hence option C is correct.



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