Input Output Questions Overview

Input Output Questions have a good weightage in the Banking Exam and the type of question asked in Banking exam is similar to the question mentioned below. It has been solved and explained by Gargi.ai Experts and they have tried to elaborate the concept used in Input Output Questions.

Input Output Questions

Direction: Read the given information carefully and answer the following questions. A word and number arrangement machine when given an input line of words and numbers rearranges them following a particular rule in each step. The following is an illustration of input and rearrangement. Input: say dry 42 96 get 39 kite 67 Step I: 96 say dry 42 get 39 kite 67 Step II: 96 dry say 42 get 39 kite 67 Step III: 96 dry 39 say 42 get kite 67 Step IV: 96 dry 39 say 67 42 get kite Step V: 96 dry 39 say 67 get 42 kite Step V is the last step. Input: thirty days from now 32 56 87 24

Question

What will be the sum of third element from left and fourth element from the right in step IV?

Difficulty : Difficult   **Average Time : 57 Seconds**

Options :
  1. 70
  2. 80
  3. 60
  4. 90
  5. None of these

Solution

The correct answer is **option 2** i.e. **80.**

A step-by-step explanation of the given illustration of input:

Input: say dry 42 96 get 39 kite 67

Logic:

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For step I only the largest number is moved to the left end and the rest of the elements from Input are written in the same order to its right.

Step I: 96 say dry 42 get 39 kite 67

For step II the first word to appear in dictionary order is moved to the left but to the immediate right of the element that was processed in Step I.

Step II: 96 dry say 42 get 39 kite 67

For step III the smallest number is moved to the left but to the immediate right of the element that was processed in Step II.

Step III: 96 dry 39 say 42 get kite 67

For step IV the last word to appear in dictionary order is moved to the left but to the immediate right of the element that was processed in Step III. Since the last word to appear in dictionary order (i.e. say) is already to the immediate right of 39 after step III, therefore the word and number arrangement machine will skip to the next operation where the second largest number is moved to the immediate right of the last word to appear in dictionary order.

Step IV: 96 dry 39 say 67 42 get kite

For step V the second word to appear in dictionary order is moved to the left but to the immediate right of the element that was finally processed in Step IV.

Step V: 96 dry 39 say 67 get 42 kite

Step V is the last step.

Now arranging the given input, in the same manner, we get:

Input: thirty days from now 32 56 87 24

The arrangement for the given input is:

Step I: 87 thirty days from now 32 56 24

Step II: 87 days thirty from now 32 56 24

Step III: 87 days 24 thirty from now 32 56

Step IV: 87 days 24 thirty 56 from now 32

Step V: 87 days 24 thirty 56 from 32 now

Step V is the last step.

the sum of the third element from the left (i.e. 24) and the fourth element from the right (i.e. 56) in step IV is 80

Hence, the correct answer is **80.**