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Sequential Output Tracing Questions for IBPS RRB SCLAE-I Mains Exams.

Set 56

Directions: Study the given information and answer the following question.

A word and number arrangement machine, when given an input line of words/numbers, rearranges them following the rules illustrated below.

INPUT: the best 74 ice 39 54 mirror 24 life 46

Step I: 69 the best ice 39 54 24 life 46 mirror

Step II: 35 69 best ice 54 24 life 46 mirror the

Step III: 43 35 69 ice 54 24 life mirror the best

Step IV: 52 43 35 69 ice 24 mirror the best life

Step V: 23 52 43 35 69 mirror the best life ice

As per the rules followed above, find out the appropriate steps for given input.

INPUT: adding the 79 values 93 19 result 23 82 maximum

1. Which of the following is the 4th to the right of 2nd element from the left end in step III?

- A. 23 B. 19 C. the D. values E. None of the above

2. What is the sum of the number which is first from the right end and the number which is fourth to the left of 'adding' in step IV?

- A. 40 B. 52 C. 102 D. 72 E. None of these

3. What is the position of '89' with respect to 'result' in step III?

- A. Fourth to the left B. Seventh to the left C. Ninth to the left D. Fifth to the left E. Sixth to the left



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4. Which of the following element is fourth to the right of '17' in step V?

- A. 89 B. 74 C. result D. values E. None of these

5. '17 79 89 74 adding 23 values result maximum the' is which of the following steps?

- A. Step VI B. Step II C. Step V D. Step III E. Step IV



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Correct Answers:

1	2	3	4	5
B	A	B	D	E

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Common Explanation:

Change in words:

Words are rearranged as per the decreasing order of the sum of the numerical values of the first and the last letter of the words and are placed at the extreme right end of the arrangement. Like the numerical value of the 1st and the last letter of the word 'mirror' is $m + r = 13 + 18 = 31$ (highest). Similarly, the numerical value of the 1st and the last letter of the word 'ice' is $i + e = 9 + 5 = 14$ (lowest)

Change in numbers:

The numbers are rearranged in the decreasing order of the products of the digits of a number and placed at the extreme left end of the arrangement. 5 is subtracted from the number changed in Step I, 4 is subtracted from the number changed in Step II, 3 is subtracted from the number changed in Step III, and so on until step V, which is the last step.

INPUT: adding the 79 values 93 19 result 23 82 maximum

Step I: 74 adding the 93 19 result 23 82 maximum values

Step II: 89 74 adding the 19 23 82 maximum values result

Step III: 79 89 74 adding the 19 23 values result maximum

Step IV: 17 79 89 74 adding 23 values result maximum the

Step V: 22 17 79 89 74 values result maximum the adding



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Answers :

1. From common explanation we get,

Step III: 79 89 74 adding the 19 23 values result maximum

'19' is 4th to the right of 89, which is 2nd from the left end.

Hence, option B is correct.

2. From common explanation we get,

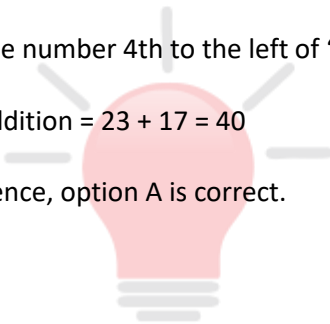
Step IV: 17 79 89 74 adding 23 values result maximum the

1st number from the right end = 23

The number 4th to the left of 'adding' = 17

Addition = $23 + 17 = 40$

Hence, option A is correct.



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3. From common explanation we get,

Step III: 79 89 74 adding the 19 23 values result maximum

Seventh to the left

Hence, option B is correct.

4. From common explanation we get,

Step V: 22 17 79 89 74 values result maximum the adding

'values' is 4th to the right of 17.

Hence, option D is correct.

5. From common explanation we get,

Step IV: 17 79 89 74 adding 23 values result maximum the

The given step is step IV.

Hence, option E is correct.



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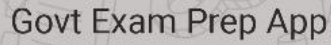
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