

## Sequential Output Tracing Questions for SBI PO Pre, IBPS PO Pre, SBI Clerk Mains, IBPS Clerk Mains and RRB Scale I Pre Exams.

Set 48
Directions: When a word and number arrangement machine is given an input line of words and numbers, it rearranges them following a particular logic at each step. Below given is an illustration of the same.

Input: grief 37 myth 84 rubbish 53 constant 45 persistence 26
Step I: persistence 26 grief 37 myth 84 rubbish 53 constant 45
Step II: constant 37 persistence 26 grief myth 84 rubbish 5345
Step III: rubbish 45 constant 37 persistence 26 grief myth 8453
Step IV: myth 53 rubbish 45 constant 37 persistence 26 grief 84
Step V: grief 84 myth 53 rubbish 45 constant 37 persistence 26

Step $V$ is the last step of the arrangement.
On the basis of above illustration find the various steps of arrangement for the input given below.

Input: label 51 rhythm 22 sabotage 82 complete 91 sufficiency 16

## Questions :

1. What is the position of 'sabotage' with respect to ' 91 ' in step V ?
A. Second to the left
B. Immediate right
C. Second to the right
D. Third to the left
E. None of these
2. Which of the following is step IV?
A. complete 51 rhythm 22 sufficiency 16 sabotage 82 label 91
B. sabotage 82 rhythm 22 sufficiency 16 complete 51 label 91
C. sabotage 82 complete 51 rhythm 22 sufficiency 16 label 91
D. sabotage 8251 complete rhythm 22 sufficiency 16 label 91
E. None of these
3. Which of the following comes exactly between 'complete' and 'sufficiency' in step III?
A. Both rhythm and 22
B. rhythm
C. 22
D. 51
E. All of these
4. How many words are to the left of 51 in step II?
A. 3
B. 5
C. 4
D. 2
E. None of these
5. What is the sum of the even numbers that come between 'label' and 'sufficiency' in step V?
A. 223
B. 195
C. 173
D. 104
E. 130

## Correct Answers:

| $\mathbf{1}$ | $\mathbf{2}$ | $\mathbf{3}$ | $\mathbf{4}$ | $\mathbf{5}$ |
| :--- | :--- | :--- | :--- | :--- |
| B | C | B | A | D |



## Common Explanations:

Change in words: The words are rearranged in descending order of number of consonants in a word. Words are placed at extreme left end of the arrangement.

Change in numbers: Numbers are arranged in ascending order at left end just next to the rearranged word.
Note- Only one word and one number is changed at one step. Change in words and numbers takes place at every step.

## Reference:

Input: grief 37 myth 84 rubbish 53 constant 45 persistence 26
Step I: persistence 26 grief 37 myth 84 rubbish 53 constant 45

## Inference:

Input: label 51 rhythm 22 sabotage 82 complete 91 sufficiency 16
Step I: sufficiency 16 label 51 rhythm 22 sabotage 82 complete 91

## Reference:

Step I: persistence 26 grief 37 myth 84 rubbish 53 constant 45
Step II: constant 37 persistence 26 grief myth 84 rubbish 5345
Inference:
Step I: sufficiency 16 label 51 rhythm 22 sabotage 82 complete 91
Step II: rhythm 22 sufficiency 16 label 51 sabotage 82 complete 91

## Reference:

Step II: constant 37 persistence 26 grief myth 84 rubbish 5345
Step III: rubbish 45 constant 37 persistence 26 grief myth 8453

## Inference:

Step II: rhythm 22 sufficiency 16 label 51 sabotage 82 complete 91
Step III: complete 51 rhythm 22 sufficiency 16 label sabotage 8291

## Reference:

Step III: rubbish 45 constant 37 persistence 26 grief myth 8453
Step IV: myth 53 rubbish 45 constant 37 persistence 26 grief 84

## Inference:

Step III: complete 51 rhythm 22 sufficiency 16 label sabotage 8291 Step IV: sabotage 82 complete 51 rhythm 22 sufficiency 16 label 91

## Reference:

Step IV: myth 53 rubbish 45 constant 37 persistence 26 grief 84
Step V: grief 84 myth 53 rubbish 45 constant 37 persistence 26

## Inference:

Step IV: sabotage 82 complete 51 rhythm 22 sufficiency 16 label 91
Step V: label 91 sabotage 82 complete 51 rhythm 22 sufficiency 16

## Answers:

1. Following common explanation, we get that
'sabotage' is on the immediate right of ' 91 ' in step V .
Hence option B is correct.
2. Following common explanation, we get that
"sabotage 82 complete 51 rhythm 22 sufficiency 16 label 91 " is step IV.
Hence option C is correct.
3. Following common explanation we get that
'rhythm' comes exactly between 'complete' and 'sufficiency' in step III.
Hence option B is correct.
4. Following common explanation we get that

3 words are to the left of 51 in step II.
Hence option A is correct.
5. Following the common explanation, we get that

The even numbers that come between 'label' and 'sufficiency' in step V are 82 and 22.
Required sum is 104.

Hence option D is correct.

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