

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: A word/number arrangement machine when given an input line of word/number rearranges them following a particular rule. The following is an illustration of Input and rearrangement. Input: CFDK MTAL GUBQ SINP WKZO HYER FVXU TBLJ Step I: KOWZ MTAL GUBQ SINP HYER FVXU TBLJ CDFK Step II: BJLT KOWZ MTAL GUBO SINP HYER CDFK FUVX Step III: INPS BJLT KOWZ MTAL HYER CDFK FUVX BGOU Step IV: ALMT INPS BJLT KOWZ CDFK FUVX BGOU EHRV Step V: BKLS JMOR AIKS JPVY BCEJ EVUW AFPV FGQX Step V is the last step of the arrangement Following the same pattern solve the given input. Input: TBCK LSOT XARV RPML JYSU EQWK DIYP NVZA

Question

What is the sum of the place value of the vowels of the word which is third from the left end in step II and the word which is fourth from the right end in step IV?

Difficulty : Moderate

Average Time : 78 Seconds

Options :

1. 20
2. 22
3. 24
4. 30
5. None of these

Solution

The correct answer is **Option 3** i.e. 24

Logic:

Input: CFDK MTAL GUBQ SINP WKZO HYER FVXU TBLJ

For Step I: The word which comes first in alphabetical order is arranged in the extreme right end and the word which comes last in alphabetical order is arranged in the extreme left end, then all the alphabets of these words are arranged in alphabetical order within the word.

KOWZ MTAL GUBQ SINP HYER FVXU TBLJ CDFK

For Step II: The word which comes second in alphabetical order is arranged in the extreme right end and the word which comes second last in alphabetical order is arranged in the extreme left end, and then all the alphabets of these words are arranged in alphabetical order within the word.

BJLT KOWZ MTAL GUBQ SINP HYER CDFK FUVX

For Step III: The word which comes third in alphabetical order is arranged in the extreme right end and the word which comes third last in alphabetical order is arranged in the extreme left end, then all the alphabets of these words are arranged in alphabetical order within the word.

INPS BJLT KOWZ MTAL HYER CDFK FUVX BGOU

For Step IV: The word which comes fourth in alphabetical order is arranged in the extreme right end and the word which comes fourth last in alphabetical order is arranged in the extreme left end, then all the alphabets of these words are arranged in alphabetical order within the word.

ALMT INPS BJLT KOWZ CDFK FUVX BGOU EHRV

For Step V: All consonants are replaced with their preceding letter and all vowels are replaced with their following letter in each word.

BKLS JMOR AIKS JPVY BCEJ EVUW AFPV FGQX

Now arranging the given input line of the words, in the same manner, we get.

Input: TBCK LSOT XARV RPML JYSU EQWK DIYP NVZA

Step I: ARVX TBCK LSOT RPML JYSU EQWK NVZA DIPY

Step II: BCKT ARVX LSOT RPML JYSU NVZA DIPY EKQW

Step III: LMPR BCKT ARVX LSOT NVZA DIPY EKQW JSUY

Step IV: ANVZ LMPR BCKT ARVX DIPY EKQW JSUY LOST

Step V: BMUY KLOQ ABJS BQUW CJOX FJPV IRVX KPRS

The word which is third from the left end in step II is LSOT, place value of O is 15.

The word which is fourth from the right end in step IV is DIPY, place value of I is 9.

Sum= 15+9= 24

Hence the correct answer is **24**.