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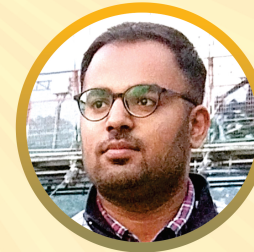
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Sequential output tracing exercise for IBPS PO Pre, IBPS SO Pre, IBPS Clerk, SBI PO Pre and SBI Clerk exams

SEQUENTIAL OUTPUT TRACING NO. 22

Directions: 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: hard 27 nut 14 impossible 54 to 86 crack 62
Step1:54 hard 27 nut 14 impossible 86 crack 62 to
Step2:86 54 hard 27 14 impossible crack 62 to nut
Step3:14 86 54 hard 27 crack 62 to nut impossible
Step4:62 14 86 54 27 crack to nut impossible hard
Step5:27 62 14 86 54 to nut impossible hard crack

Step 5 is the final output.

Find the different steps of output using the above mentioned logic for the following input.

Input: deeds 39 for 96 humanity 75 give 27 pleasure 62

- 1. Which of the following elements is third to the left of fifth element from right end in step 3?**
A. crack
B. 75
C. deeds
D. 39
E. None of these
- 2. Four of the following five are alike in a certain way and thus form a group. Which of the following does not belong to the group?**
A. for – 27
B. pleasure – 75
C. 96 - deeds
D. 39 – pleasure
E. pleasure – 27
- 3. In which of the following steps, 96 is seen exactly between 62 and 75 for the first time?**
A. Step 1
B. Step 3
C. Step 4
D. Step 5
E. None of these

4. Which of the following is second to the right of '39' in step 4?

- A. 75 B. humanity C. 96
D. pleasure E. None of these

5. What is the sum of the digits of the numbers which are second from left end and fourth from right end in step 3?

- A. 35 B. 29 C. 36
D. 40 E. 24



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The Question Bank

Correct answers:

1	2	3	4	5
B	C	A	B	E

Common Explanation:

Change in Number: Change in numbers take place as per the ascending order of the difference of the digits of each number. The number whose difference of digits is the smallest is taken first for rearrangement and shifted at extreme left end.

Change in Word: Change in words take place as per the reverse alphabetical order. The word whose first letter comes last as per the English alphabetical series is taken first for rearrangement and shifted at the extreme right end.

Note: Changes in word and number take place simultaneously in each step.

The given pattern:

Input: hard 27 nut 14 impossible 54 to 86 crack 62

Step1:54 hard 27 nut 14 impossible 86 crack 62 to

Step2:86 54 hard 27 14 impossible crack 62 to nut

Step3:14 86 54 hard 27 crack 62 to nut impossible

Step4:62 14 86 54 27 crack to nut impossible hard

Step5:27 62 14 86 54 to nut impossible hard crack

Solution to the given input:

Input: deeds 39 for 96 humanity 75 give 27 pleasure 62

Step1:75 deeds 39 for 96 humanity give 27 62 pleasure

Step2:96 75 deeds 39 for give 27 62 pleasure humanity

Step3:62 96 75 deeds 39 for 27 pleasure humanity give

Step4:27 62 96 75 deeds 39 pleasure humanity give for

Step5:39 27 62 96 75 pleasure humanity give for deeds

Explanations:

1. From the following output it is clear that 75 is third to the left of fifth element from right end in step 3.

Hence option B is correct.

2. From the following output it is clear that "96-deeds" is the only pair where both the words are never seen adjacent in any of the steps.
for -27: adjacent in step 3

39-pleasure: adjacent in step 4
pleasure-75: adjacent in step 5.
pleasure-27: adjacent in step 3.

Hence option C is correct.

3. From the following output it is clear that 96 is seen exactly between 62 and 75 for the first time in step 1.

Step1:75 deeds 39 for 96 humanity give 27 62 pleasure

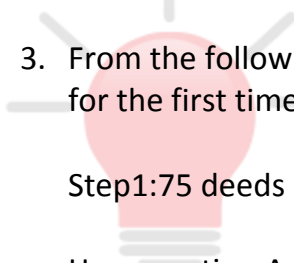
Hence option A is correct.

4. From the following output it is clear that humanity is second to the right of 39 in step 4.

Hence option B is correct.

5. From the following output it is clear that the sum of digits of the numbers which are second from the left end (96) and fourth from the right end (27) in step 3 are $9+6+2+7 = 24$.

Hence option E is correct.





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