

Quiz Date: 20th March 2020

Directions (1-5): 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 an input and rearrangement.

Input: that 16 29 curfew 47 mango 58 social distancing 91 32 Home 67 51 Arrange virus

Step I: 15 that 29 curfew 47 mango 58 social distancing 91 32 Home 67 51 virus Arrange

Step II: 15 92 that 29 47 mango 58 social distancing 32 Home 67 51 virus curfew Arrange

Step III: 15 92 30 that 47 mango 58 social 32 Home 67 51 virus distancing curfew Arrange

Step IV: 15 92 30 68 that 47 mango 58 social 32 51 virus Home distancing curfew Arrange

Step V: 15 92 30 68 31 that 47 58 social 51 virus mango Home distancing curfew Arrange

Step VI: 15 92 30 68 31 57 that 47 51 virus social mango Home distancing curfew Arrange

Step VII: 15 92 30 68 31 57 48 51 virus that social mango Home distancing curfew Arrange

Step VIII: 15 92 30 68 31 57 48 52 virus that social mango Home distancing curfew Arrange

and Step VIII is the last step of the rearrangement of the above input.

As per the rules followed in the above steps, find out in each of the following questions the appropriate step for the given input.

Input: Force 52 make 26 68 37 economic stay citizen 18 75 task

Q1. Which of the following is last but one step?

- (a) V
- (b) VII
- (c) VIII
- (d) VI
- (e) None of these

Q2. Which of the following would be the final arrangement?

- (a) 17 76 67 25 38 51 task stay make force economic citizen
- (b) 17 76 25 67 51 38 task stay make force economic citizen
- (c) 17 76 25 67 38 51 task stay force make economic citizen
- (d) 17 25 67 76 38 51 task stay make force economic citizen
- (e) None of these

Q3. In step V, which of the following words would be at 6th position to the right of 3rd from the left element?

- (a) Make
- (b) Stay
- (c) force
- (d) task
- (e) None of these

Q4. In step III, which of the following element would be at 7th position from the right?

- (a) Make
- (b) Task
- (c) Force

- (d) 68
- (e) None of these

Q5. In step IV of the rearrangement, if '76 is related to economic' and '67 is related to make' in a certain way, which of the following would 52 be related to, following the same pattern?

- (a) stay
- (b) task
- (c) make
- (d) Force
- (e) None of these

Directions (6-10): Study the given information and answer the questions:

When a number arrangement machine is given an input line of numbers, it arranges them following a particular rule. The following is an illustration of an input and its rearrangement.

Input: 43 30 42 38 54 78 96

Step I: 172 120 168 152 216 312 384

Step II: 14 0 48 10 12 6 96

Step III: 7 0 24 5 6 3 48

Step IV: 48 24 7 6 5 3 0

Step IV, is the last step of the above arrangement.

As per the rules followed in the given steps find out the appropriate steps for the given input:

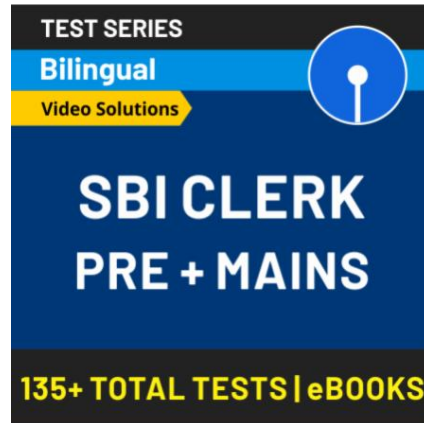
Input: 54 31 23 64 47 17 81

Q6. Which of the following is the third to the right of fifth from the right end in step IV?

- (a) 4
- (b) 32
- (c) 6
- (d) 9
- (e) None of these

Q7. What is the difference between the numbers which is third from the left in step III and the number which is fourth from the right in step IV?

- (a) 2
- (b) 4
- (c) 5
- (d) 3
- (e) None of these



Q8. What is the sum of digits of the number which is fourth from the left in step II?

- (a) 9
- (b) 10
- (c) 6
- (d) 7
- (e) 8

Q9. Which of the following number is third from right in step II?

- (a) 60
- (b) 64
- (c) 48
- (d) 8
- (e) None of these

Q10. What is the resultant, If smallest number of Step II is multiply by highest number of step III?

- (a) 256
- (b) 145
- (c) 324
- (d) 78
- (e) None of these

Directions (11-15): 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 an input and rearrangement.

Input: 56 two fear 27 74 15 Markets 33 normal Hindi

Step I: Markets 56 two fear 27 74 15 normal Hindi 9

Step II: Markets normal 56 two fear 27 15 Hindi 9 16

Step III: Markets normal Hindi 56 two fear 27 9 16 25

Step IV: Markets normal Hindi fear two 27 9 16 25 36

Step V: Markets normal Hindi fear two 9 16 25 36 49

And Step V is the last step of the rearrangement of the above input.

As per the rules followed in the above steps, find out in each of the following questions the appropriate step for the given input.

Input: 18 Roads Act upon 11 24 to modern 42 9

Q11. Which of the following is Step IV from given input?

- (a) modern Roads upon 18 Act to 9 1 4 16
- (b) modern Roads upon Act to 9 1 4 16 64
- (c) modern Roads upon Act to 1 4 16 64 81
- (d) modern Roads upon Act 9 to 1 4 16 64
- (e) None of these

Q12. Which element is 5th from the right end in step IV?

- (a) 1
- (b) 4
- (c) Act
- (d) to
- (e) None of these

Q13. Which of the following is penultimate step from this given input?

- (a) II
- (b) III
- (c) I
- (d) V
- (e) IV

Q14. Find the difference in between 3rd from left end element in step II and 2nd from right end in Step V?

- (a) 40
- (b) 46
- (c) 42
- (d) 44
- (e) 63



Q15. In Step IV if Roads is related to 9, Act is related to 4 in the same way modern is related to?

- (a) upon
- (b) 9
- (c) Act
- (d) to
- (e) Either (a) or (d)

Solutions

Solution(1-5):

Logic-

From the given input and final step it is understood that words are arranged in the alphabetical order. Numbers are arranged alternately in the increasing order and alternatively in decreasing order i.e. least number followed by highest number, second least number followed by second highest number and so on. Also, one operation is performed with each number while it is arranged (i.e. 1 is subtracted from each even number and 1 is added to each odd number)

Input: Force 52 make 26 68 37 economic stay citizen 18 75 task

Step I: 17 force 52 make 26 68 37 economic stay 76 task citizen

Step II: 17 76 force 52 make 26 68 37 stay task economic citizen

Step III: 17 76 25 52 make 68 37 stay task force economic citizen

Step IV: 17 76 25 67 52 37 stay task make force economic citizen

Step V: 17 76 25 67 38 52 task stay make force economic citizen

Step VI: 17 76 25 67 38 51 task stay make force economic citizen

S1.Ans(a)

S2.Ans(e)

S3.Ans(a)

S4.Ans(d)

S5.Ans(b)

Solutions (6-9):

Sol. In this input output question only numbers is arranged in each step. Let us understand the logic behind it- In each step the numbers are arranged

Step 1: All the number(input) multiply by 4.

Step 2: Multiply all digit in each number.

Step 3: All the numbers divided by 2.

Step 4: All number are arranged in descending order.

Input: 54 31 23 64 47 17 81

Step I: 216 124 92 256 188 68 324

Step II: 12 8 18 60 64 48 24

Step III: 6 4 9 30 32 24 12

Step IV: 32 30 24 12 9 6 4

S6.Ans(c)

S7.Ans(d)

S8.Ans(c)

S9.Ans(b)

S10.Ans(a)

Solution(11-15):**logic-**

All the words are arranged according to the number of letters present in the word as the word having highest number of letters is arranged first then the word having second highest number of letters is arranged and so on from the left end. While the numbers are arranged in ascending order of the last digit of the number from right end also each of them is replaced by the square of the last digit of that number.

Input: 18 Roads Act upon 11 24 to modern 42 9

Step I: modern 18 Roads Act upon 24 to 42 9 1

Step II: modern Roads 18 Act upon 24 to 9 1 4

Step III: modern Roads upon 18 Act to 9 1 4 16

Step IV: modern Roads upon Act to 9 1 4 16 64

Step V: modern Roads upon Act to 1 4 16 64 81

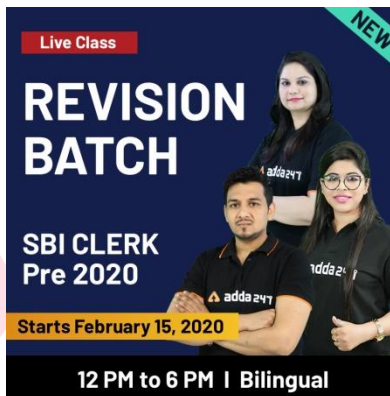
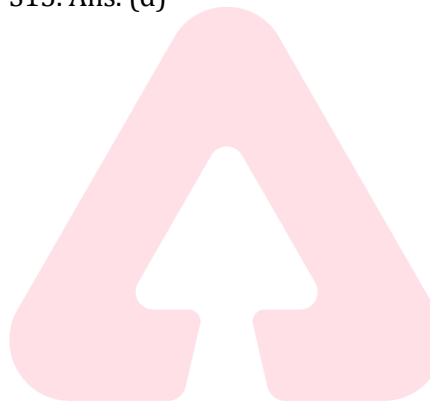
S11. Ans. (b)

S12. Ans. (e)

S13. Ans. (e)

S14. Ans. (b)

S15. Ans. (d)



For any Banking/Insurance exam Assistance, Give a Missed call @ 01141183264