Input Questions for SBI Clerk Mains 2025

Directions (1-5): A word/number arrangement machine is given an input line of words and numbers; it arranges them following a particular rule in each step. The following is an illustration of input and its arrangement:

Input: triangle 45 38 galaxy 93 puzzle 27 velocity rhythm 84
Step I: 88 triangle 45 38 puzzle 27 velocity rhythm 84 aaglxy
Step II: 87 88 triangle 45 38 27 velocity rhythm aaglxy eulpzz
Step III: 40 87 88 triangle 38 27 velocity aaglxy eulpzz hhmrty
Step IV: 41 40 87 88 27 velocity aaglxy eulpzz hhmrty aeiglnrt
Step V: 22 41 40 87 88 aaglxy eulpzz hhmrty aeiglnrt eiocltvy
Based on the above example, rearrange the below input:
Input: shadow 74 19 magnet 52 forest 68 bridge whistle 31

Q1. Which element is 5th to the right of second least number in step V?
(a) eibdgr
(b) 31
(c) eofrst
(d) aegmnt
(e) None of these

Q2. What is sum of all the odd numbers in step II?
(a) 110
(b) 147
(c) 128
(d) 117
(e) 198

Q3. What is the position of 'eibdgr' with respect to '77' in step IV?
(a) 3rd to the right
(b) 5th to the right
(c) 4th to the left
(d) 2nd to the right
(e) None of the above

Q4. Find the square of the 2nd highest number in step III?
(a) 3844
(b) 3025
(c) 2809
(d) 5041
(e) None of these

Q5. Which element is 6th from the right end in step II?
(a) whistle
(b) 19
(c) magnet
(d) 77
(e) 52

Directions (6-10): A word and number arrangement machine, when given an input line of words and numbers, rearranges them following a particular rule in each step. Below is an example of input and its rearrangement:
Input: 97 wisdom 64 amplify 38 justice 71 clarity 25 mystery
Step I: 52 97 64 amplify 38 justice 71 clarity mystery modsiw
Step II: 83 52 97 64 amplify justice 71 clarity modsiw yretsym
Step III: 17 83 52 97 64 amplify clarity modsiw yretsym ecitsuj
Step IV: 46 17 83 52 97 amplify modsiw yretsym ecitsuj ytiralc
Step V: 79 46 17 83 52 64 modsiw yretsym ecitsuj ytiralc yfilpma
Based on the above example where Step V is the last step, find the arrangement for the below input and answer the related questions:
Input: 45 courage 86 understand 31 venture 32 meticulous 42 explore

Q6. Find the sum of the numbers which are second from the right end and third from left end in Step IV?
(a) 63
(b) 36
(c) 131
(d) 77
(e) None of these

Q7. Which element is eighth from the left end in Step III?
(a) 86
(b) erutnev
(c) suolucitem
(d) courage
(e) None of these

Q8. In which among the following step "86 42 explore erutnev" is present in same manner?
(a) Step I
(b) Step II
(c) Step IV
(d) Step III
(e) Step V

Q9. Which of the following element is second to the left of fourth element from right end in the last step?
(a) 54
(b) 23
(c) suolucitem
(d) erutnev
(e) 13

Q10. What is the difference between the place values of second letter of both second and fifth word from left end in step V?
(a) 12
(b) 11
(c) 10
(d) 14
(e) None of these

Directions (11-15): A number and word arrangement machine when given an input line of numbers following a particular rule in each step. The following is an illustration of an input & its rearrangement.
Input: 23 16 82 97 36 49 88 58 91 73
Step 1- 21 23 82 36 49 88 58 91 73 92
Step 2- 41 21 23 82 49 88 58 73 92 86
Step 3- 63 41 21 23 82 49 88 92 86 68
Step 4- 87 63 41 21 23 88 92 86 68 44
Step 5- 93 87 63 41 21 92 86 68 44 18
Step 5 is the last step of the above input as per the rules followed in the above steps. As per the above rule followed in the above steps, find out in each of the following questions the appropriate step for the given input.
Input: 60 53 46 12 91 82 77 66 21 37

Q11. What is the sum of third number from the right end and fourth number from the left end in Step 2?
(a) 89
(b) 78
(c) 168
(d) 90
(e) None of the

Q12. How many numbers are divisible by 3 in Step 5?
(a) Three
(b) Four
(c) Two
(d) Five
(e) One

Q13. What is the difference between the first number from right and left end in Step 3?
(a) 27
(b) 18
(c) 17
(d) 16
(e) None of thee

Q14. Which among the following number is seventh to the right of third number from the left end in step 4?
(a) 21
(b) 72
(c) 86
(d) 48
(e) 32

Q15. Which among the following set of numbers is there in the final Step?
(a) 88 71 65
(b) 89 71 65
(c) 72 48 32
(d) 86 74 48
(e) 72 48 31

Directions (16-20): A number and word arrangement machine when given an input line of numbers rearranges them following a particular rule in each step. The following is an illustration of an input &its rearrangement.
Input: 65 of story 47 rooted 32 simplicity 82 the 93
Step 1: simplicity 65 of story 47 rooted 82 the 93 43
Step 2: rooted simplicity 65 of story 82 the 93 43 36
Step 3: story rooted simplicity of 82 the 93 43 36 54
Step 4: the story rooted simplicity of 93 43 36 54 93
Step 5: of the story rooted simplicity 36 43 54 93 82
Step 6: of the story rooted simplicity 36 43 54 82 93
Step 6 is the last step of the above input as per the rules followed in the above steps. As per the above rule followed in the above steps, find out in each of the following questions the appropriate step for the given input.
Input: speed 56 bike 23 increasing 34 of 49 rapidly 76

Q16. How many elements are between 67 and bike in Step 5?
(a) Six
(b) Seven
(c) Three
(d) Four
(e) Five

Q17. Which among the following number is present in Step 5?
(a) 23
(b) 36
(c) 46
(d) 34
(e) 87

Q18. What is the sum of second number and fourth number from the right end in Step 6?
(a) 104
(b) 110
(c) 105
(d) 114
(e) 94

Q19. Which element is present fourth to the left of third element from the right end in Step 4?
(a) of
(b) 76
(c) rapidly
(d) increasing
(e) None of these

Q20. How many words are there to the right of the word bike in Step 3?
(a) None
(b) Two
(c) One
(d) Three
(e) Four

Solutions

Solutions (1-5):
Logic: One word and one number is arranged in each step.
Numbers: Pick the numbers from highest to lowest. Odd numbers are decreased by 5 and even numbers are increased by 3.
Words: Pick the words as per alphabetical order based on their first letter. Then, within the word, letters are arranged in dictionary order from left, first vowel then consonant.
Input: shadow 74 19 magnet 52 forest 68 bridge whistle 31
Step I: 77 shadow 19 magnet 52 forest 68 whistle 31 eibdgr
Step II: 71 77 shadow 19 magnet 52 whistle 31 eibdgr eofrst
Step III: 55 71 77 shadow 19 whistle 31 eibdgr eofrst aegmnt
Step IV: 26 55 71 77 19 whistle eibdgr eofrst aegmnt aodhsw
Step V: 14 26 55 71 77 eibdgr eofrst aegmnt aodhsw eihlstw

S1. Ans.(c)
S2. Ans.(e)
S3. Ans.(a)
S4. Ans.(d)
S5. Ans.(c)

Solutions (6-10): Logic here is:
Number: The lowest odd number is picked first and the digits of that number is reversed and placed in extreme left end then then smallest even number is picked in the next step and the digits of that number is reversed and placed in extreme left end.
Words: The word in which first letter from the left end has the highest place value is picked and reversed and then placed in extreme right end.
Input: 45 courage 86 understand 31 venture 32 meticulous 42 explore
Step I: 13 45 courage 86 understand 32 meticulous 42 explore erutnev
Step II: 23 13 45 courage 86 meticulous 42 explore erutnev dnatsrednu
Step III: 54 23 13 courage 86 42 explore erutnev dnatsrednu suolucitem
Step IV: 24 54 23 13 courage 86 erutnev dnatsrednu suolucitem erolpxe
Step V: 68 24 54 23 13 erutnev dnatsrednu suolucitem erolpxe egaruoc

S6. Ans.(b)
S7. Ans.(b)
S8. Ans.(d)
S9. Ans.(e)
S10. Ans.(e)

Solutions (11-15):
Logic here is: Pick and arrange the even numbers in ascending order and place them in extreme left end after adding 5 to that number and pick and arrange the odd numbers in descending order and place them in extreme right end after subtracting 5 from that number.
Final Arrangement:
Input: 60 53 46 12 91 82 77 66 21 37
Step 1- 17 60 53 46 82 77 66 21 37 86
Step 2- 51 17 60 53 82 66 21 37 86 72
Step 3- 65 51 17 82 66 21 37 86 72 48
Step 4- 71 65 51 17 82 21 86 72 48 32
Step 5- 87 71 65 51 17 86 72 48 32 16

S11. Ans.(d)
Sol. 37+53=90

S12. Ans.(b)
Sol. 87 51 72 48

S13. Ans.(c)
Sol. 65-48 = 17

S14. Ans.(e)
S15. Ans.(c)

S16. Ans.(a)
Sol. Logic here is:
Words: The words with maximum number of letters are taken and placed in extreme left end in each step.
Numbers: The smallest number is taken and if that number is an even number 11 is added to that number and if it is an odd number 11 is subtracted from that number then after the applying all the operations the number is placed in extreme right end.
In step 6 the numbers are arranged in ascending order after the words.
Input: speed 56 bike 23 increasing 34 of 49 rapidly 76
Step 1: increasing speed 56 bike 34 of 49 rapidly 76 12
Step 2: rapidly increasing speed 56 bike of 49 76 12 45
Step 3: speed rapidly increasing 56 bike of 76 12 45 38
Step 4: bike speed rapidly increasing of 76 12 45 38 67
Step 5: of bike speed rapidly increasing 12 45 38 67 87
Step 6: of bike speed rapidly increasing 12 38 45 67 87

S17. Ans.(e)
Sol. Logic here is:
Words: The words with maximum number of letters are taken and placed in extreme left end in each step.
Numbers: The smallest number is taken and if that number is an even number 11 is added to that number and if it is an odd number 11 is subtracted from that number then after the applying all the operations the number is placed in extreme right end.
In step 6 the numbers are arranged in ascending order after the words.
Input: speed 56 bike 23 increasing 34 of 49 rapidly 76
Step 1: increasing speed 56 bike 34 of 49 rapidly 76 12
Step 2: rapidly increasing speed 56 bike of 49 76 12 45
Step 3: speed rapidly increasing 56 bike of 76 12 45 38
Step 4: bike speed rapidly increasing of 76 12 45 38 67
Step 5: of bike speed rapidly increasing 12 45 38 67 87
Step 6: of bike speed rapidly increasing 12 38 45 67 87

S18. Ans.(c)
Sol. Logic here is:
Words: The words with maximum number of letters are taken and placed in extreme left end in each step.
Numbers: The smallest number is taken and if that number is an even number 11 is added to that number and if it is an odd number 11 is subtracted from that number then after the applying all the operations the number is placed in extreme right end.
In step 6 the numbers are arranged in ascending order after the words.

Input: speed 56 bike 23 increasing 34 of 49 rapidly 76
Step 1: increasing speed 56 bike 34 of 49 rapidly 76 12
Step 2: rapidly increasing speed 56 bike of 49 76 12 45
Step 3: speed rapidly increasing 56 bike of 76 12 45 38
Step 4: bike speed rapidly increasing of 76 12 45 38 67
Step 5: of bike speed rapidly increasing 12 45 38 67 87
Step 6: of bike speed rapidly increasing 12 38 45 67 87

S19. Ans.(d)
Sol. Logic here is:
Words: The words with maximum number of letters are taken and placed in extreme left end in each step.
Numbers: The smallest number is taken and if that number is an even number 11 is added to that number and if it is an odd number 11 is subtracted from that number then after the applying all the operations the number is placed in extreme right end.
In step 6 the numbers are arranged in ascending order after the words.
Input: speed 56 bike 23 increasing 34 of 49 rapidly 76
Step 1: increasing speed 56 bike 34 of 49 rapidly 76 12
Step 2: rapidly increasing speed 56 bike of 49 76 12 45
Step 3: speed rapidly increasing 56 bike of 76 12 45 38
Step 4: bike speed rapidly increasing of 76 12 45 38 67
Step 5: of bike speed rapidly increasing 12 45 38 67 87
Step 6: of bike speed rapidly increasing 12 38 45 67 87

S20. Ans.(c)
Sol. Logic here is:
Words: The words with maximum number of letters are taken and placed in extreme left end in each step.
Numbers: The smallest number is taken and if that number is an even number 11 is added to that number and if it is an odd number 11 is subtracted from that number then after the applying all the operations the number is placed in extreme right end.
In step 6 the numbers are arranged in ascending order after the words.
Input: speed 56 bike 23 increasing 34 of 49 rapidly 76
Step 1: increasing speed 56 bike 34 of 49 rapidly 76 12
Step 2: rapidly increasing speed 56 bike of 49 76 12 45
Step 3: speed rapidly increasing 56 bike of 76 12 45 38
Step 4: bike speed rapidly increasing of 76 12 45 38 67
Step 5: of bike speed rapidly increasing 12 45 38 67 87
Step 6: of bike speed rapidly increasing 12 38 45 67 87