Alpha-Numeric Sequence Puzzle, Number, Ranking and Time Sequence Test, Logical Sequence of Words and Alphabet Test

QUESTIONS

Direction (1-2): Study the following arrangement carefully and answer the questions given below.			
1.	Which of the following is (a) A (d) E	s the seventh to the right of the eighteenth from the right end? (b) \$ (d) #	
2.	If the order of the last fif left end? (a) 6 (d) 3	teen elements is reversed, which of the following will be fifth to the right of twelfth from the (b) \$ (d) U	
Direct	tion (3-4): Study the fo	llowing arrangement carefully and answer the questions given below.	
3.	If every alternate letter/r the left of the tenth letter (a) V (d) Q	number is dropped (dropping start from E), then which letter/number will be the second to c/number from the left end? (b) B (d) A	
4.	If the letters/digits only f then which letter will be (a) A (c) Z	rom M to L are written in the reverse order and other letters/ numbers are kept unaltered, the third to the right of the 17 th letter/number from the right end? (b) C (d) S	
5.	How many 3's are there even number? 3 4 2 5 3 1 5 2 1 3 6 (a) Two (d) Four	in the given number series which are preceded by an odd number but not followed by an 7 3 1 8 2 7 8 5 3 9 1 3 4 5 2 3 5 4 3 5 (b) Three (d) Five	
6.	Some boys are sitting in are no boys between A a (a) 19 (c) 21	a row. A is sitting fourteenth from the left end and B is seventh from the right end. If there and Band B is left of A, then how many boys a re there in the row? (b) 23 (d) 25	
7.	In a row of girls, Geetar their positions Geetanjal (a) 35 (d) 34	njali is 20 th from the right end and Sapna is 10 th from the left end. When they interchange i becomes 25 th from the right end. What is the total number of girls in the row? (b) 44" (d) 24	
Direct 8.	tion (8-9): Arrange the 1. Nation 2. Village (a) 2, 3, 4, 1, 5 (d) 1, 3, 5, 4, 2	words given below in a meaningful sequence. 3. City 4. District 5. State (b) 2, 3, 4, 5, 1 (d) 1, 2, 3, 4, 5	
9.	1. Windows 2. Walls (a) 4, 1, 5, 1, 3	3. Room 4. Foundation 5. Roof (b) 4, 3, 5, 2, 1	

10. Three of the following groups of letters are alike in some way while one is different. Find out which one is different.
 (a) ISLOJ
 (b) AKDGB
 (d) LUOQM
 (d) FPILG

(d) 4, 5, 3, 2, 1

(d) 4, 2, 1, 5, 3

11. If the English alphabets is written in the reverse order and every alternate letter starting with Y is dropped towards the right, which letter will be exactly in the middle of the remaining letters of the alphabet?

(a) M	(b) O
(d) N	(d) M or O

- **12.** Which of the following word will come in the last place if all of them are arranged alphabetically as in a dictionary?
 - (a) Research (b) Round
 - (d) Rational (d) Rural

Direction (13-14): In each of the following questions, one of the words given in the options CANNOT be formed by using the letters given in the question. Find out that word.

13. ENCOURAGE

(a) USAGE	(b) GREEN
(d) ANGER	(d) COURAGE

14. CONCENTRATE

(a) TREAT	(b) CONCERN
(d) TRAIN	(d) CENTRE

15. If it is possible to make a meaningful word from the second, seventh, eighth and tenth letters of the word CONCATENATION using each letter only once, third letter of the word would be your answer. If more than one such word can be formed, your answer would be 'S' and if no such word can be formed, answer is 'M'.

(SOF NCO	2016)
----------	-------

(SOF NCO 2016)

(a) M	(b) S
(d) N	(d) E

- **16.** In the given question, two rows of numbers are given. The resultant number in each row is to be worked out separately based on the following rules and the question below the rows of numbers is to be answered. The operation on numbers progress from left to right. Rules:
 - (i) If an odd number is followed by another composite odd number, they are to be multiplied.
 - (ii) If an even number is followed by an odd number/they are to be added.
 - (iii) If an even number is followed by a number which is a perfect square, the even number is to be subtracted from the perfect square.
 - (iv) If an odd number is followed by a prime odd number, the first number is to be divide: by the second number.
 - (v) If an odd number is followed by an even number, the second one is to be subtracted from the first one.

7	21	3
d	7	33

If d is the resultant of the first row, then what will be the resultant of the second row?

(a) 40	(b) 138
(c) 231	(d) 80

17. If the digits of each of the following numbers are written in reverse order and the obtained numbers are written in decreasing order. Then, what will be the unit digit of the four-nr number? (SOF NCO 2016)
 476 629 357 184 536 863

476	629	357	184	536
	(b) 5			
	(d) 3			

- 18. If each vowel in the word MOUNTAIN is replaced by the next letter in the English alphabet and each consonant is replaced by the previous letter in the English alphabet, then which of the following will be the fourth letter to the left of seventh letter from the left end? (SOF NSO 2016)
 - (a) T (b) V

(a) 6 (d) 4

(d) N (d) P

19. Study the following arrangement carefully and answer the question given below. (SOF NSO 2016) B A 5 D % R I * F H 6 # V 9 \$ 3 E 7G 1 ÷ 2 M K X 8 U F W Z N What should come in place of the (?) in the following series based on the above arrangement? ADI F69 37 ÷ ___?
(a) 2KU
(b) MXU

(d) MXF (d) XUM

P, Q, R, S, T, V and W are sitting around a circle facing the centre. R is third to the right of V, who is second to the right of P. T is second to the left of Q, who is second to the left of W. V is sitting between S and W. Who is sitting between T and V?

(a) W (b) R

(d) S (d) Can't be determined

21. Following question is based on five words given below:

RAG FIN PUT LOW SUE

(The new words formed after performing the mentioned operations may or may not necessarily be meaningful English words.)

If in each of the given words, consonants are changed to previous letter and vowels are changed to next letter in the English alphabetical series, then in how many words thus formed will no vowels appear? (SOF IMO 2016)

- (a) None (b) One
- (d) Two (d) Three
- **22.** In a row of children, Trishika is fifteenth from the left end of the row. If she is shifted towards the right end of the row by four places, she becomes eighth from the right end. How many children are there in the row?
 - (**SOF IMO 2016**) (a) 27 (b) 26
 - (d) 28 (d) 24
- Study the following information carefully and answer the questions given below. (SOF IMO 2016)
 (i) A, B, C, D, E, F and G are playing cards sitting around a circular table.
 - (i) A, B, C, D, E, F and G are playing cat(ii) D is not the neighbour of C and E.
 - (iii) A is the neighbour of B and C.
 - (iv) G, who is second to the left of D, is the neighbour of E and F.
 - What is the position of 'C?

(a) To the immediate left of A.

- (b) To the immediate right of E.
- (c) Third to the right of F.
- (d) Second to the right of B.
- If it is possible to make only one meaningful word with the second, the seventh, the tenth and the eleventh letters of the word TRADITIONAL, what will be the second letter of the word? If no such word can be formed, give 'X' as the answer. If only two such words can be formed give T as the answer and if more than two such words can be formed give 'Z' as the answer. (SOP IMO 2016)

(a) L	(b) Y
(d) X	(d) Z

25. Two rows of numbers are given. The resultant number in each row is to be worked out separately based on the following rules and the question below the rows of numbers is to be answered. The operation on numbers progresses from left to right.

Rules:

- (i) If an odd number is followed by another composite odd number, they are to be multiplied.
- (ii) If an even number is followed by an odd number, they are to be added.
- (iii) If an even number is followed by a number which is a perfect square, the even number is to be subtracted from the perfect square.
- (iv) If an odd number is followed by an even number, the second one is to be subtracted from the first one.
- (v) If an odd number is followed by a prime odd number, the first number is to be divided by the second number.

			27 18	8 3	
	If x is the resultant of the (a) 63 (d) 3	e first row, what v (b) 36 (d) 16	21 x will be th	9 e resultant of the second ro	w? (SOF IMO 2016)
26.	Among P, Q, R, Sand T T. Who among them is (a) Q (d) S	, each having a d the heaviest? (b) P (d) Data inadeo	lifferent v quate	weight, R is heavier than on	y P. S is lighter that Q and heavier than (SOF IMO 2016)
27.	Study the given series a N O P Q Y B Z A R S H If it is possible to make first letter of the word so such words can be form (a) M (d) L	nd answer the qu I J K T M L U V a meaningful wo formed? If no su ed, then choose (b) X (d) Y	uestion th GFEW ord with 8 uch word Y as the	nat follows: V X D C 8 th , 16 th , 17 th and 22 nd letter I can be formed then choos answer.	s of given series then which will be the e X as the answer and if more than one (SOF NCO 2017)
28.	Five children are sitting on the extreme left and Who is/are sitting adjace (a) K and P (d) Only P	in a row facing th T is not sitting ne ent to S? (b) R and P (d) P and T	ne North ext to k.	. S is sitting next to P but n	ot T. K is sitting next to R, who is sitting (SOF NCO 2017)
29.	Aniket is 17 th from the le boys are there between (a) 5 (d) 3	eft end in a row o them in the same (b) 6 (d) Data inadeo	of 29 boy e row? quate	ys and Sahil is 17 th from the	right end in the same row. How many (SOF NCO 2017)
30.	If the positions of the dig highest number formed 738 (a) 1 (d) 4	gits in each numb 2 429 156 (b) 2 (d) 7	oer is reve 273	ersed, then which of the foll 894	owing will be the last digit of the second (SOF NCO 2017)
31.	 Study the given informa P, Q, R, S, T, U and T is to the immediate P is the neighbour of V is 4th to the right of Person who is third t Who is second to the right of (a) T (c) S 	tion carefully and V are sitting in a right of V. F R and U. f Q. o the left of U is a tht of U? (b) V (d) P	d answer row faci at one of	r the question that follows. ing North. f the ends.	(SOF NSO 2017)
32.	How many pair of letter as in the English alphab	s are there in the et?	e word O	PERATION which have as	many letters between them in the word
	(d) Seven	(d) More than s	seven		(SOF NSO 2017)

33. All the letters which occur at odd places in the word EXCITEMENT are placed at odd places (such as first letter is placed at third place, third letter at fifth place and so on. Similarly, the letters at even places are placed. Last two letters i.e., letter at odd place is placed at first place and letter at even place is placed at second place. Now, which of the following letters will be seventh from the right end in the new arrangement? (SOF NSO 2017)

(a) T	(b) E
(d) X	(d) M

34. Two rows of numbers are given. The resultant number in each row is to be worked out separately based on the following rules and the question below the rows of numbers is to be answered. The operations on numbers progress from left to right.

Rules:

- (i) If an odd number is followed by a two digit even number, then they are to be added.
- (ii) If an odd number is followed by a two digit odd number, then the first number is to be subtracted from the second number.
- (iii) If an even number is followed by a number which is a perfect square of a number, then the second number is to be divided by the first number.
- (iv) If an even number is followed by a two digit even number, then the first number is to be multiplied by the second number.

(SOF NSO 2017)

4	12	144	
7	18	4S	

What is the product of the resultant numbers of both the rows?

(a) 60	(b) 80
(d) 40	(d) 90

Study the following arrangement carefully and answer the question given below.
P 5 M N B 3 O \$ L J 4 U @ Z C S I © L 9 A X 4 T U * 3 E M
How many such numbers are there in the above arrangement each of which is immediately followed by a vowel and immediately preceded by a consonant? (SOF IMO 2017)
(a) None
(b) One
(d) More than two

36. Two rows of numbers are given. The resultant number in each row is to be worked OUT separately based on the following rules and the question below the rows of numbers is to be answered. The operation on numbers progress from left to right.

Rules:

- (i) If an odd number is followed by another composite odd number, they are to be multiplied
- (ii) If an even number is followed by an odd number, they are to be added.
- (iii) If an even number is followed by a number which is a perfect square, the **even** number is to be subtracted from the perfect square.
- (iv) If an odd number is followed by an even number, the second one is to be subtracted from the first one.
- (v) If an odd number is followed by a prime odd number, the first number is to be divide by the second number. 12 - 36 - 31

x 11 15	
If x is the resultant of the first row, then what will be the resultant of the second row? (SOF IMO 2)	017)
(a) 5 (b) 10	
(c) 45 (d) 75	

- 37. Eight friends A, B, C, D, E, F, G and H are sitting around a circle facing the centre. E is third to the left of G, who is on the immediate right of B, who is third to the left of A. H is second to the right of F, who is not an immediate neighbour of E. D is not an immediate neighbour of B Which of the following pairs has the first person on the immediate left of the second person? (SOF IMO 2017)

 (a) GB
 (b) AF
 (d) CE
 (d) HD
- 38. Some children A, B, C, D, E, F and G are standing in a line facing North. G is to the right of D and to the left of B. A is on the right of C. A and D have one child between them. E and B have two children between them. D and F have two children between them. Who is exactly in the middle? (SOF IMO 2017)

 (a) A
 (b) C

(c)	D	(d)) E

39. The two rows of numbers are given. Resultant number in each row is to be worked out separately based on the following rules and the question below the row of numbers is to be answered. The operations of numbers progress from left to right.

Rules:

- (i) If an even number is followed by a prime number, then they are to be multiplied.
- (ii) If an even number is followed by a composite odd number, then the odd number is to be subtracted from the even number.
- (iii) If a composite odd number is followed by a prime number, then the first number is to be divided by the second number.
- (iv) If an odd number is followed by an even number which is a perfect square, then they are to be added.
- (v) If an odd number is followed by another odd number, then they are to be added.

86	45	13	21	

If m is the resultant of the first row, then what is the resultant of the second row? (SOF IMO 2017) (a) 50 (b) 77 (SOF IMO 2017)

- (c) 60 (d) 43
- **40.** Which of the following numbers will be obtained if the second digit of the smallest number is added to the third digit of the greatest number after adding 5 to each number of the given arrangement? **(SOF IMO 2017)**

152	453	279	536	785

- (a) 6 (b) 7
- (c) 5 (d) 4

ANSWER - KEY									
1.	В	2.	D	3.	А	4.	С	5.	В
6.	А	7.	С	8.	В	9.	С	10.	С
11.	С	12.	D	13.	А	14.	С	15.	В
16.	С	17.	В	18.	В	19.	С	20.	С
21.	D	22.	В	23.	D	24.	D	25.	А
26.	А	27.	D	28.	D	29.	С	30.	D
31.	А	32.	D	33.	С	34.	А	35.	D
36.	D	37.	D	38.	С	39.	С	40.	С

EXPLANATIONS

- **1.** (b): The 18th element from the right end of the arrangement is 2 and the 7th element to the right of 2 is **\$**.
- 2. (d): The new arrangement is: W 1 R % 4 J E # 7 M T 2 I 9 P S U 6 G D 5 Q F 9 \$ A 3 H B Now, required element = $5 + 12 = 17^{th}$ element from the left end which is U.
- **3.** (a): The new sequence is & B M N H A Z V F J O 5 R. Now observe $10 - 2 = 8^{\text{th}}$ element from the left.
- 4. (c): E & G B D L J 1 F 3 V S Z C A 2 H K N 4 M O Q 5 P R. Now character = $17 - 3 = 14^{\text{th}}$ character from right.
- (d): After interchanging their positions, Geetanjali becomes 25th from the right end and 10th from the left end.
- So, total number of girls in the row = 25 + 10 1 = 34.
- **8.** (b): Arranged according to ascending order of area: Village, City, District, State, Nation.
- **9.** (d): Foundation, Walls, Windows, Roof, Room.
- 10. (d); Except (C), in each of other groups 2^{nd} , 3^{rd} , 4^{th} and 5^{th} letter are obtained by adding 10, -7, +3 and -5 respectively to its previous letter.
- **11.** (d): The new arrangement is

ZXVT RP \overline{N} LJHFDB

So, the middle letter is N.

- **12.** (d): Rational, Research, Round, Rural.
- **13.** (a): The letters of the word USAGE is not in ENCOURAGE.
- **14.** (d): The letter I of the word TRAIN is not in CONCENTRATE.