BANK EXAMS

REASONING

Alphabet – Number Series							
Alpha-Numeric-Symbol Sequence: Alpha-Numeric- Symbol sequence is very important chapter in							
reaso	reasoning. While solving the problems related to this topic the following points are to be remembered.						
1.	Understand the meaning	Understand the meaning of the following terms.					
	i) A precedes B	ii) B is preceded by A	10	0-			
	iii) B follows A	iv) A is followed by B	10/2				
*	The above mentioned term	ms are frequently used in	the questions of this topic	>.			
*	We can observe that the meaning of all the above mentioned terms is the same. We can illustrate it as ${}^{\shortparallel}AB{}^{\shortparallel}.$						
2.	Candidates often get confused about the sense of direction of the left and the right . You can understand that our 'left-hand-side' is the left and our right-hand-side' is the right direction. We can use this concept wherever we find the questions based on the left-right direction.						
	Example:						
	AB7CD9ZY * P2M # K S 3 ! 5 N T @						
Note	In the above given eleme	nts (letters, digits, and sy	mbols) A is to the left of l	B and @ is to the right of			
	T						
	4.1	Model Que					
Directions $(Q.I - 5)$: Study the following arrangement carefully and answer the questions given below:							
M 4	4 P A 3 % R 5 # E J 2 \$ D		_	200			
1.	If all the symbols in the above arrangement are dropped, which of the following will be the seventeenth						
	from the left end? 1) 1	2) F	3) 9	4) B			
	5) None of these	2) F	3) 9	4) D			
2.	•	is the eighth to the right	of the twentiath from th	ne right end of the above			
2.	arrangement?	is the eighth to the right	of the twentient from th	le right end of the above			
	1) T	2) %	3) 2	4) 6			
	5) None of these	- 1		, -			
3.	How many such conson	low many such consonants are there in the above arrangement each of which is immediately receded by a number but not immediately followed by another consonant?					
	1) None	2) One	3) Two	4) Three			
	5) More than three	10.					
4.	Four of the following five are alike in a certain way based on their positions in the above arrangement and so form a group. Which is the one that does not belong to that group?						
	1) R # J 5) 2 D U	2) 9 B W	3) P M 3	4) 6 V K			
5.	How many such numbers are there in the above arrangement each of which is immediately preceded by a consonant and immediately followed by a symbol?						
	1) None	2) One	3) Two	4) Three			
	5) More than three						

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Directions (Q.6 - 10): To answer these questions study the following arrangements:

 $JY2 = S \pounds \delta EGM \star 7 \$ HP9 KL\beta@WQ13 \#CD©$

6.	How many such symbols are there in the above arrangement each of which is either immediated followed by a number or immediately preceded by a letter, but not both?							
	1) Nil	2) 1	3) 2	4) 3				
	5) None of these							
7.	How many such letters are there each of which is either immediately followed by a number of immediately preceded by a symbol, but not both?							
	1) 4	2) 5	3) 6	4) 7				
	5) None of these			2.0				
8.	How many such numbers are there each of which is either immediately followed by a symbol or immediately preceded by a letter, but not both?							
	1) 2	2) 4	3) 3	4) 5				
	5) None of these							
9.	'2YS' is to 'EG£' in the sa	'2YS' is to 'EG£' in the same way as 'PHK' is to						
	1) @WL	2) WQβ	3) @3Q	4) @WK				
	5) None of these	1,40						
10.	Four of the following five are alike in a certain way based on the positions of the elements in the above arrangement and hence form a group. Which one does not belong to the group?							
	1) 2YCD	2) £S13	3) JS©3	4) £E1W				
	5) =#2C							
Direc	<i>Directions</i> (Q.11 – 17): Study the following arrangement carefully and answer the questions given below:							
B =	A R 5 8 E % M F 4 J 1 U	J@H2©9TI6★W3	3 P # K 7 \$ Y					
11.	Which of the following	is the twelfth to the lef	t of the twentieth from t	the left end of the above				
	arrangement?			20				
	N							
	1) %	2) W	3) \$	4) J				
	1) % 5) None	2) W	3) \$	4) J				
12.	5) None How many such number	,	rrangement each of which	4) J is immediately preceded				
12.	5) None How many such number	s are there in the above a	rrangement each of which	2.				
12.	5) None How many such number by a consonant and also	s are there in the above a immediately followed by	rrangement each of which a symbol?	is immediately preceded				
12. 13.	5) None How many such number by a consonant and also a 1) None 5) More than three How many such symbols	s are there in the above a immediately followed by 2) One	rrangement each of which a symbol? 3) Two angement each of which is	is immediately preceded				
	5) None How many such number by a consonant and also a 1) None 5) More than three How many such symbols	s are there in the above a immediately followed by 2) One are there in the above arra	rrangement each of which a symbol? 3) Two angement each of which is	a is immediately preceded 4) Three				
	5) None How many such number by a consonant and also a 1) None 5) More than three How many such symbols a letter and also immedia	s are there in the above a simmediately followed by 2) One are there in the above arrantely followed by a number	rrangement each of which a symbol? 3) Two angement each of which is er?	4) Three simmediately preceded by				
	5) None How many such number by a consonant and also (1) None 5) More than three How many such symbols a letter and also immedia (1) None 5) More than three How many such conson	s are there in the above a immediately followed by 2) One are there in the above arrately followed by a number 2) One	rrangement each of which a symbol? 3) Two angement each of which is er? 3) Two bove arrangement each	4) Three simmediately preceded by				
13.	5) None How many such number by a consonant and also (1) None 5) More than three How many such symbols a letter and also immedia (1) None 5) More than three How many such conson	s are there in the above a immediately followed by 2) One are there in the above arrately followed by a number 2) One nants are there in the a	rrangement each of which a symbol? 3) Two angement each of which is er? 3) Two bove arrangement each	4) Three s immediately preceded by 4) Three				
13.	5) None How many such number by a consonant and also immediately a letter and also immediately None 5) More than three How many such consonant and also immediately none 5) More than three	s are there in the above a immediately followed by 2) One are there in the above arrately followed by a number 2) One nants are there in the a and also immediately followed.	rrangement each of which a symbol? 3) Two angement each of which is er? 3) Two bove arrangement each of which is expression to the control of	4) Three simmediately preceded by 4) Three of which is immediately				
13.	5) None How many such number by a consonant and also 1) None 5) More than three How many such symbols a letter and also immedia 1) None 5) More than three How many such conson preceded by a consonant 1) None 5) More than three	s are there in the above a immediately followed by 2) One are there in the above arrately followed by a number 2) One nants are there in the allowing and also immediately followed.	rrangement each of which a symbol? 3) Two angement each of which is er? 3) Two bove arrangement each of which is expected by a number? 3) Two	4) Three simmediately preceded by 4) Three of which is immediately				
13. 14.	5) None How many such number by a consonant and also 1) None 5) More than three How many such symbols a letter and also immedia 1) None 5) More than three How many such conson preceded by a consonant 1) None 5) More than three If all the numbers in the	s are there in the above a immediately followed by 2) One are there in the above arrately followed by a number 2) One nants are there in the allowing and also immediately followed.	rrangement each of which a symbol? 3) Two angement each of which is er? 3) Two bove arrangement each of which is expected by a number? 3) Two	4) Three simmediately preceded by 4) Three of which is immediately 4) Three				
13. 14.	5) None How many such number by a consonant and also immediately a letter and also immediately also a letter and also immediately also also and also immediately also also and also immediately also also also and also and also also also also also also also also	s are there in the above a immediately followed by 2) One are there in the above arrately followed by a number 2) One nants are there in the allowing and also immediately followed by a number and also immediately followed above arrangement are displayed and also immediately followed above arrangement are displayed as a solution of the solution	rrangement each of which a symbol? 3) Two angement each of which is er? 3) Two bove arrangement each blowed by a number? 3) Two ropped, which of the following the symbol of the following and the symbol of the symbol of the following and the symbol of the symbol	4) Three simmediately preceded by 4) Three of which is immediately 4) Three owing will be the eleventh				
13. 14.	5) None How many such number by a consonant and also 1) None 5) More than three How many such symbols a letter and also immedia 1) None 5) More than three How many such consorpreceded by a consonant 1) None 5) More than three If all the numbers in the from the right end? 1) U 5) None of these	s are there in the above a immediately followed by 2) One are there in the above arrately followed by a number 2) One nants are there in the analy also immediately followed arrangement are defined above arrangement are defined.	rrangement each of which a symbol? 3) Two angement each of which is er? 3) Two bove arrangement each blowed by a number? 3) Two ropped, which of the following the following symbol is the following symbol in the following symbol in the following symbol is the following symbol in the following symbol in the following symbol is the following symbol in the followin	4) Three simmediately preceded by 4) Three of which is immediately 4) Three owing will be the eleventh				
13.14.15.	5) None How many such number by a consonant and also and also and also and also and also immediately a letter and also immediately a letter and also immediately immediately a letter and also immediately immediately immediately a letter and also immediately i	s are there in the above a immediately followed by 2) One are there in the above arrately followed by a number 2) One nants are there in the analy also immediately followed arrangement are defined above arrangement are defined.	rrangement each of which a symbol? 3) Two angement each of which is er? 3) Two bove arrangement each each elowed by a number? 3) Two ropped, which of the following arrangement each of which each each of which each each each each each each each ea	4) Three s immediately preceded by 4) Three of which is immediately 4) Three owing will be the eleventh 4) H				
13.14.15.	5) None How many such number by a consonant and also and also and also and also and also immediately a letter and also immediately a letter and also immediately immediately a letter and also immediately immediately immediately a letter and also immediately i	s are there in the above a simmediately followed by 2) One are there in the above arrately followed by a number 2) One nants are there in the allowed and also immediately followed by a number 2) One above arrangement are defined as and also immediately followed arrangement are defined as a second and also immediately followed arrangement are defined as a second and also immediately followed arrangement are defined as a second arrangement are defined as a second are there in the above	rrangement each of which a symbol? 3) Two angement each of which is er? 3) Two bove arrangement each each elowed by a number? 3) Two ropped, which of the following arrangement each of which each each of which each each each each each each each ea	4) Three s immediately preceded by 4) Three of which is immediately 4) Three owing will be the eleventh 4) H				

17.	Four of the following are alike in a certain way based on their positions in the above arrangement and so form a group. Which is the one that does not belong to that group?								
	1) 1@4	2) ©TH	3) WP6	4) #73					
	5) 92I								
Direc	etions (Q.18 - 24): These	questions are based on t	the following letter / numl	per / symbol arrangement.					
Stı	tudy it carefully and answer the questions.								
18.		HT6#E7\$KIL%3P@2AJ↑RU4★VD							
10.	How many such symbols are there in the above arrangement, each of which is immediately preceded by a number and also immediately followed by a vowel?								
	1) None	2) One	3) Two	4) Three					
	5) More than three	,	1 7 9	,					
19.	Which element is fifth to	the right of thirteenth fro	om the right end?						
	1) F	2) ↑	3) 1	4) K					
	5) None of these								
20.	What will come in place of the question mark (?) in the following series based on the above arrangement?								
	T#6 7K\$ L3%	?							
	1) @2A	2) A@2	3) P2@	4) 2P@					
	5) None of these								
21.	Which element is third to	o the left of tenth from the	e left end?						
	1) K	2) 3	3) P	4) \$					
	5) None of these			0					
22.	22. How many such letters are there in the given arrangement each of which is immediately preceded by a symbol but not immediately followed by a number?								
	1) None	2) One	3) Two	4) Three					
	5) More than three		. 10	O					
23.	_	Four of the following five are alike in a certain way based on their positions in the given arrangement and so form a group. Which is the one that does not belong to the group?							
	1) KL\$	2) P23	3) 2J@	4) L3I					
	5) 4D★		2						
24.	If all the numbers are removed from the given arrangement which element will be ninth from the left end?								
	1) %	2) L	3) P	4) I					
	5) None of these	0.							
	ANSWERS								
1-3; 2-1; 3-2; 4-5; 5-4; 6-4; 7-5; 8-2; 9-1; 10-4; 11-1; 12-3; 13-1; 14-2; 15-4; 16-4; 17-5; 18-2; 19-5; 20-5; 21-4; 22-4; 23-5; 24-1.									
	1.0	Explana	tions						
1-3;	1-3; Dropping the symbols, we get the arrangement as								
M4PA3R5EJ2DF1UHB9TWI8KN6V7ZQ									
Hence 9 is the 17 th element from left.									
2-1;	8 th to the right of 20 th fr								
	=(20-8)								
	= 12 th from the right								

= T.

- **3-2**; P
- **4-5**; In 5 there is unidirectional movement.
- **5-4**; All other covers a span of five characters only but 5 covers six.
- 6-4; $JY2 = S \pm \delta EGM \star SHP9KL \beta @ WQ13 # CD \bigcirc$
- 7-5; $J \underline{Y} 2 = \underline{S} \pounds \delta \underline{E} G M \star 7 \$ \underline{H} \underline{P} 9 K L \beta@ \underline{W} \underline{Q} 1 3 \# \underline{C} \underline{D} \bigcirc$ There are eight such letters.
- 8-2; $JY2 = S \pounds \delta E G M + 7 \% H P 9 K L \beta@WQ13 # C D ©$
- **9-1;** If you put a mirror after the third element of the first term, the points of reflection constitute the second term.
- **10-4;** In all others, the first element occupies the same position from the left as the third does from the right. And a similar relationship exists between the second and fourth elements.
- 11-1; 12th to the left of 20th from the left
 - =(20-12)
 - = 8th from the left
 - = %
- **12-3**; 2 and 7
- 13-1;
- **14-2;** F
- 15-4; If the numbers are dropped, the arrangement becomes

$$B = ARE \% MFJU @ H © TI * WP # K $ Y$$

Now, 11th from right = H

- 16-4; A, E and U.
- 17-5;
- 18-2; #
- 19-5; 5th to the right of 13th from the right

$$=(13-5)$$

- $= 8^{th}$ from the right = J
- **20-5**; @ A 2 as the letters of a group are four places forward from the corresponding letters of the previous group.
- 21-4; 3rd to the left of 10th from the left

$$=(10-3)$$

- $=7^{th}$ from the left
- = \$
- **22-4;** K, R and V.
- 23-5; In all others, we have

$$1^{st}$$
 element + $2 = 2^{nd}$ element

And 1^{st} element $-1 = 3^{rd}$ element.

24-1; Removing the numbers, we obtain the arrangement as

Now 9^{th} from the left = %.

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