

#### PRELIMINARY & MAINS EXAMINATION

Volume - 3

Reasoning



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## **English Alphabet Test**

The English alphabet test is based on the English letters or alphabet being arranged in a certain format. In this test, questions are solved based on the formation of words by the selected letters, finding the letters in the pair of letters and between 2 letters, etc.

# Some important facts related to the English alphabet.

1.	Capital/Small alphabet		etters	of	th	ie E	ngli	sh
	<b>Block letters</b>			А	В	С	D	E
		F	G					
				Н	Ι	J	к	L
		М						
	Lowercase le	tte	rs	а	b	c d	е	f
				g	h	ij	k	I
		m						
	Block letters			Ν	0	Ρ	Q	R
		S	Т					
				U	v	W	Х	Y
		Ζ						
	Lowercase le	tte	rs	n	о	р	q	r
		S	t				-	
				u	v	w	х	v
		z						

- 2. Vowels and consonants of the English alphabet
  - (i) Vowel There are 5 vowels in the English alphabet, which are as follows -

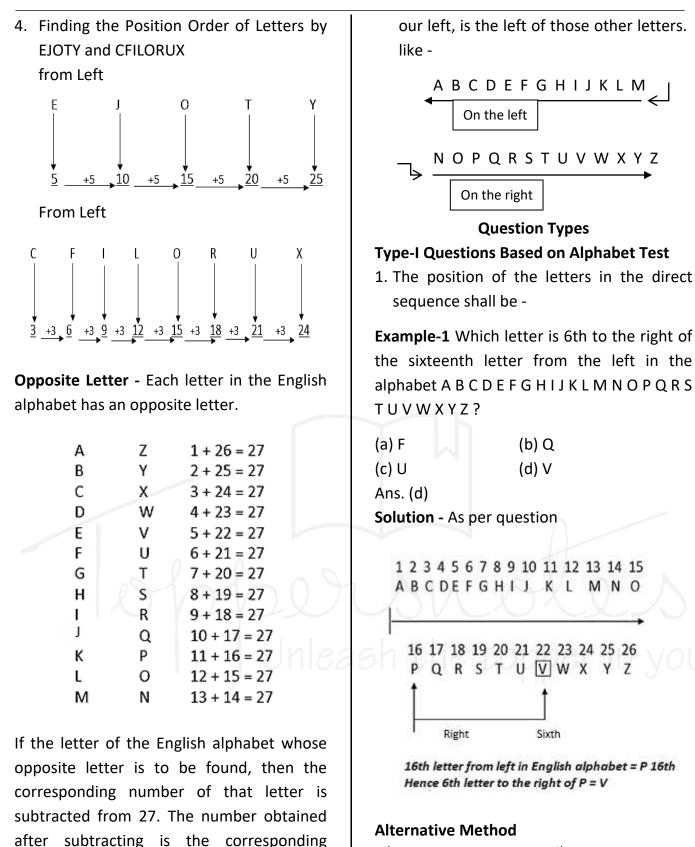
A, E, I, O, U

- (ii) Consonants There are 21
  consonants in the English alphabet,
  which are as follows –
  B, C, D, F, G, H, J, K, L, M, N, P, Q, R,
  - S, T, V, W, X, Y, Z
- The place of letters in the English -Alphabet is the first 13 and the last 13 letters of the alphabet are called the first and second half of the alphabet respectively. This location depends on two sequences.
  - (i) First and second half of straight sequence - In this sequence the letters from A to M are placed in the first half and the letters from N to Z are called the second half. Left to Right

A B C D E F G H I J K L M 1 2 3 4 5 6 7 8 9 10 11 12 13 ← First Half ← →

(ii) The first second half of the opposite order - In this sequence the letters from Z to N are called the first half and the letters from M to A are called the second half.

Ζ	Y	Х	W	٧	U	Т	S	R	Q	Ρ	0	Ν
1	2	3	4	5	6	7	8	9	10	11	12	13
+					Fir:	st Ha	lf -					•
М	L	K	J	L	н	G	F	Ε	D	С	В	А
14	15	16	17	18	19	20	21	22	23	24	25	26
•				5	ecor	nd ha	lf -					•



number of the opposite letter.

letters

Finding the letter to the left and right of

Whatever is on our right is the right of

the same letters and whatever else is on

 $n^{th}$  letter to the right of  $m^{th}$  letter from left in English alphabet =  $(m+n)^{th}$  letter from left. m = 16 and n = 6

 $(16+6)^{th}$  letter from left =  $22^{nd}$  letter from left = V

2.	Position of letters in reverse order
	Example - 2 If the English alphabet is
	written in reverse order, then which
	letter will be $13^{th}$ to the left of the $3^{rd}$
	letter from the right?
	(a) C (b) P
	(c) R (d) L
	Ans. (b)
	Solution - n <sup>th</sup> letter to left of m letter
	from your right in reverse order of
	English alphabet = $(m + n)^{th}$ letter from
	right.
	Here, $m = 3$ and $n = 13$
	= (3+13) <sup>th</sup> letter from right = 16 <sup>th</sup> letter
	from right = P Ans.
3.	Position of letters in the first half of the
	reverse order
	Under this, the first half of the letters of
	the English alphabet i.e. letters from A to
	M are written in reverse order and the
	remaining half of the letters are written
	as they are.
	Example - 3
	Example - 3 If the first half of the English alphabet is
	If the first half of the English alphabet is
	If the first half of the English alphabet is written in reverse order, then which
	If the first half of the English alphabet is written in reverse order, then which letter will be to the left and seventh
	If the first half of the English alphabet is written in reverse order, then which letter will be to the left and seventh letter of the tenth letter from your right?
	If the first half of the English alphabet is written in reverse order, then which letter will be to the left and seventh letter of the tenth letter from your right? (a) C (b) E

**Ans.** (c)

Solution – According to question,

Solution – According to question, 13 12 11 10 9 8 7 6 5 M L K J I H G F E 4 3 2 1 14 15 16 17  $\bigcirc$  C B A N O P Q fTo the left of 7th 10 th 18 19 20 21 22 23 24 25 26 R S T U V W X Y Z From the left of

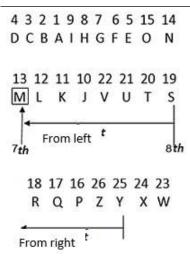
The 10<sup>th</sup> letter from the right is Q and the seventh letter to the left of the letter Q is D.

So required letter = D

### 4. Position of letters in reverse order of multiple letter segments Example - 4

If the first four letters of the English alphabet are written in reverse order, then 5 letters also in reverse order, again 6 letters also in reverse order, 5 letters also in reverse order, again 6 letters also in reverse order, again If 7 letters are also written in reverse order and remaining letters are also written in reverse order, then which letter will be the seventh letter to the left of the eighth letter from the right?

(a) O	(b) L
(c) N	(d) M
<b>Ans.</b> (d)	



As per question,

The eighth letter from the right is S and the seventh letter to the left of the letter S is M. So required letter = M

5. Number of letters between 2 letters -Example - 5

How many letters are there in the middle of the eighth letter from the left and the seventh letter from the right in the English alphabet?

(b) 9

(d) 11

1 2 3 4 5 6 7 8 A BC D E F G H

eighth from left

9 10 11 12 13 14 15 16 17 18 19 I J K L M N O P Q R S

11 letter

20 21 22 23 24 25 26 T U V W X Y Z

from right

(a) 8 (c) 10 Ans. (d)

Solution – As per Question

Eight from left

Letter

From right

Hence, the eighth letter from the left is H and the seventh letter from the right is T and there are 11 letters in between these two.

7+1

6. Same position of letters when arranged alphabetically -Example - If each letter in the word CADMP is arranged alphabetically, then the positions of how many letters will remain unchanged. (a) 1 (b) 2 (c) 3 (d) 4 **Ans.** (c) Solution Root Word С Ρ D А Μ

Alphabetical Order A

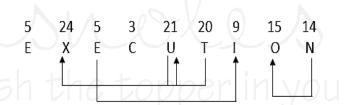
#### Hence such letters are D, M, and P.

С

D

#### Type-2 Letter- Pair Based Question

If there are as many letters between two letters of a word as there are between them in the English alphabet, then the pair thus formed between those two letters is called a letter pair.



#### Example - 7

How many such pairs of letters are there in the given word EXECUTION, which have as many letters between them in the word as there are between them in the English alphabet ?

(a) 1	(b) 2
(c) 3	(d) more than 3
<b>Ans.</b> (d)	

**Solution** – According to question

So the required letter pair is UX, TU EI and NO i.e. 4.

#### Type - 3 Word Formation and Alphabet Arrangement

(i) Changing the letters of a meaningful word

**Example - 8** If the letters of the first and second, third and fourth, fifth and sixth and so on are interchanged in the words, then what will be the tenth letter when counted from its right?

(a) T (b) N

(c) U (d) A

Ans. (b)

**Solution** - The word formed by interchanging the letters of the given word COMMUNICATIONS

O C M M N U C I T A O I S N

10<sup>th</sup> from

the right

10 th from the right

Hence, the required alphabet = N

(ii) Making meaningful words from selected/ consecutive letters of a semi-completeword

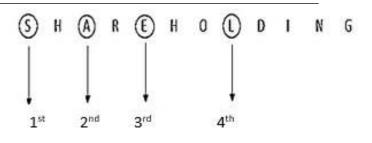
**Example – 9** If anyone meaningful word can be formed from the first, third, fifth and eighth letters of the word SHARE HOLDING, then what will be its second letter? If no such word can be formed, give the answer 'X' and if more than one word can be formed, give the answer 'Y

(a) L (b) E (c) S	(a) L	(b) E	(c) S
-------------------	-------	-------	-------

(d) X (e) Y

Ans. (e)

**Solution** - The word given according to the question,



New word SEAL = SALE, SEAL = 2 Meaningful word Two meaningful words formed from it are SALE and SEAL, so option Y will be correct.

**Example – 10** How many meaningful words with four or more letters can be formed from the letters of the word DIALOGUE ?

(a) 5 (b) 7 (c) 9 (d) 8

**Ans.** (c)

**Solution** - words with four or more letters can be formed from the letters of DIALOGUE.

For Example -

DIAL, GOAL, GOAD, GILD, GLUE, GUILD, LOUD, GUIDE, GUILE etc.

(iii) Arrange the following numbers of different letters in such a way that a meaningful word is formed.

#### Example - 11

Arrange the numbers of different letters given below in such a way that a meaningful word is formed.

12	3	4	5	6		
(a) 1, 3 , 2, 6, 4, 5			(b) 6, 3, 5, 1, 4, 2			
(c) 1 <i>,</i> 3	8, 2, 5, 4	l, 6	(d)	6, 3, 1, 5,	, 4, 2	
Ans. (c	d)					

**Solution** - On arranging the given letters in a meaningful order, the word MAGNET is formed which is obtained by arranging the numbers in the order 6, 3, 1, 5, 4, 2.

#### Type - 4 Letter Group Based Questions

Under this, some groups of three or four letters are given in the questions asked. The answer is to be found by arranging these letter groups according to the instructions given in the question.

#### Example – 12

If the letter S is put before them in all the given words, then how many words in the new arrangement will make meaningful English words?

- (a) Only SHE b) ANT and JUG
- (c) Only OLD (d) TIN and JUG
- (e) Only TIN

Ans. (c)

**Solution** - The following is the word in the new arrangement.

SHE, SOLD, SANT, STIN, SJUG

Hence in the given words, the letter S is preceded by only one meaningful word SOLD.

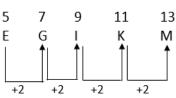
#### **TYPE-5 RULE BASED ON INSTRUCTION**

In this type of questions, related to English alphabets are given. Following these rules, it is to be seen that in which option the given letter is following the group.

**Example - 13** A letter is missing between two letters.

(b) MOQTU
(d) MNOPQ

#### Solution -



So in the EGIKM letter-pair, one letter is missed between every two letters.

**Example - 14** English letters are in the reverse order of the alphabet.

(a) ABCDE(b) ZYXWV(c) KLMNO(d) PQRSTAns. (b)

Solution



Hence, the letter pair Z Y X W V is in the opposite order of the alphabet.

#### **Example with Solution**

Which letter is exactly between the letters J and T in the English alphabet?
 (a) N
 (b) O
 (c) P
 (d) Q
 (e) None of the letter

	(b) tion	he									
10	11	12	13	14	15	16	17	18	19	20	
U	К	L	М	Ν	0	Р	0	R	S	Т	

KLMNOPQRST

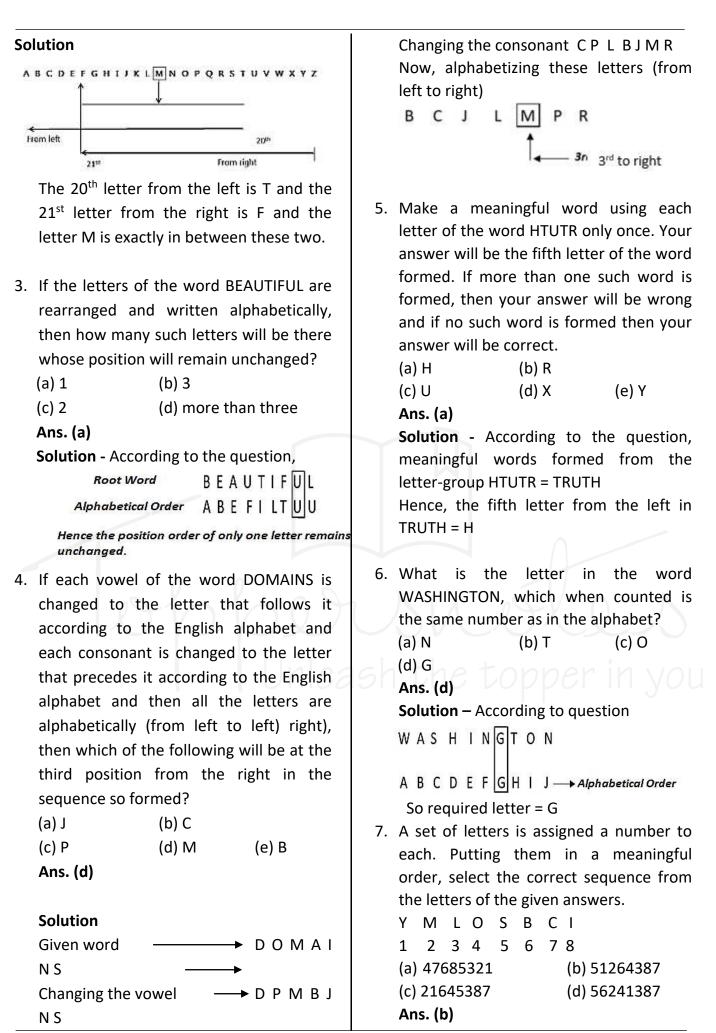
The letter O is exactly between J and T.

2. Which letter will be exactly between the 20th letter from the left and the 21st letter from the right in the English alphabet?

(a) L	(b) M
(c) N	(d) O

(e) No letter

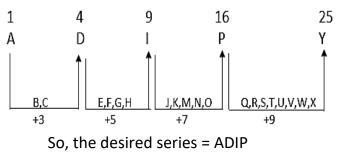
**Ans**. (b)



M L O S B C I, the word S Y M B O L I C will be formed. So the correct order is 5 1 2 6 4 3 8 7.	be 1	ing followed
8. In the following question, a word is given followed by four alternatives. Out of the four alternatives, only one option can be made from the letters of the given root word. Select that option.	A 	
V E N T U R E S O M E (a) ROSTRUM (b) TRAVERSER (c) SERMON (d) SEVENTEEN Ans. (c)	Q. 1	Pract Cannot be
<b>Solution</b> - The word SERMON can be formed from the letters of the given word.	4.1	the given v VENTURE (a) RENT (c) TURN
9. Which letter can be put after the words of the following questions to form new words ? STAG, ENGAG, DAMAG, SEWAG	Q. 2	IMPOSSION (a) IMPOSS (c) IMPOSI
(a) A (b) S (c) E (d) P Ans. (c)	Q. 3	KOLMOGR (a) MOORI
<b>Solution</b> - If the letter E is placed immediately after the words STAG, ENGAM, DAMAG, SEWAG, then completely new meaningful words STAGE, ENGAGE, DAMAGE, SEWAGE will be formed.	Q. 4	(c) GOVINE DISINTEGR (a) SIGNAT (c) SINGER
<ol> <li>The number of letters skipped between two adjacent letters is increased by multiples of two.</li> </ol>	Q. 5	COMPETIT (a) TOTEM (c) COMPC
<ul><li>(a) ADIPY</li><li>(b) JMRYG</li><li>(c) EHNTC</li><li>(d) HKBWF</li><li>Ans. (a)</li></ul>	Q. 6	TERRORISM (a) MIRRO (c) MORE

Solution - By rearranging the letters of Y

Solution - The rule given in series A is being followed.



#### ctice Questions

#### TYPE – 1

formed using the letters of word.

- (b) RATE
  - (d) TRUE
- NABLE SIBLE (b) POSSIBLE (d) IMPASSIVE SE
  - ROV SMIRNOV (b) ROOMKIN INGS (d) SLIMGROOM DA
- RATION TURE (b) INTERN (d) RATION R
  - ΓΙΟΝ Λ (b) POETIC OSE (d) OPINE
- Μ DR (b) ERROR (d) ROAR (c) MORE

Q. 7	COMMUNICATIO	N	Q. 12 From the following alternatives,
	(a) ACTION	(b) UNION	select the word which cannot be
	(c) NATION	(d) UNISON	formed using the letters of the given word.
Q. 8	TRANSLATION		COMPLIMENTARY
	(a) TRANSIT	(b) TRANSMIT	(a) TRIM (b) TRAPS
	(c) RATION	(d) NATION	(c) PRIME (d) TRAIN
Q. 9	TECHNOLOGICAI (a) LOGIC (c) HATER	L (b) LOAN (d) COLOGNE	Q. 13 From the following alternatives, select the word which cannot be formed using the letters of the given
Q. 10	EXAMINATION (a) MINE (c) SAME	(b) TIME (d) NOTE	word. PROMINENT (a) TONE (b) MINE (c) PROPS (d) MORE
Q. 11	select the word	owing alternatives, d which cannot be e letters of the given	Q. 14 From the following alternatives, select the word which cannot be formed using the letters of the given word. CONVICTED
	(a) BUILD (c) SAND	(b) BINDS (d) DUBS	(a) CITE (b) NODE (c) TONE (d) DESK

#### Answer Key

Directions - Find out the related words from the alternatives given below.

Q.1	(d)	Q.2	(d)	Q.3	(c)	Q.4	(a)
Q.5	(c)	Q.6	(d)	Q.7	(d)	Q.8	(d)
Q.9	(c)	Q.10	(c)	Q.11	(c)	Q.12	(b)
Q.13	(c)	Q.14	(d)				



**Series** 



The series test series has to be studied carefully to find out whether this series is following the order/rule or not.

The questions asked under this test can be classified into the following categories.

- 1. Digit series
- 2. Alphabet series
- 3. Frequency Series of Digits/Characters

There are a few things to keep in mind while doing chain test.

- A. First try to play the whole chain.
- B. If the chain does not work, then we run it by laughing.
- C. At the very end run the alternate series

#### 1. Digit series -

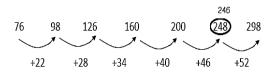
In this, a series of marks is given in the questions asked. This series is based on addition, subtraction, multiplication, division, square, square root, cube, cube root etc.

Type - (i) Finding the wrong term in the



In the series sequence, a wrong digit is added in place of the digit appearing at a particular place. For this, first of all it should be known that which term is not changing according to that rule, that is the wrong term.

Ex.1 Which number is missing in the following number series? 76, 98, 126, 160, 200, 248, 298 (A) 248 (B) 200 (C) 160 (D) 298 Ans. (A) Sol. After observing the above series carefully, we find that the sixth term of the series is inappropriate Because the number to be added to each term is 6 digits more than its first number.



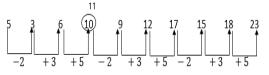
So instead of 248, there will be 246.

- Ex.2 Which number in the following series is such that it is inappropriate in the series?
  - 5, 3, 6, 10, 9, 12, 17, 15, 18, 23

(A) 6	(B) 9
(C) 12	(D) 10

#### Ans. (D)

**Sol.** After observing the above series carefully, we find that the series is decreasing and increasing in the order of -2, +3, +5, -2, +3, +5 .....



In the above series, 11 should come after the digit '6'. Hence the wrong number in the series is 10.

Directions: Question (1-7) Find the missing number in the following series.

Q.1 56, 42, 30, 20, ?, 6

	(A) 15	(B) 12
	(C) 18	(D) 14
Ans.	(B)	

**Explanation-**56 42 -14 -12 -10 So, ? = 12 Q.2 1, 6, 15, ?, 45, 66, 91 (A) 25 (B) 26 (C) 27 (D) 28 Ans. (D) **Explanation**-6 28 1 15 45 66 91 +5 +9 +13 +17 +4 +4+4So, ? = 28 Q.3 1, 3, 7, 13, 21, 31, 43, ? (A) 55 (B) 57 (C) 59 (D) 61 Ans. (B) **Explanation-**31 31 43 57 +2 +10 +12 So, ? = 57 0.5, 2, 4.5, 8, 12.5, ? Q.4 (A) 17 (B) 16 (C) 16.5 (D) 18 Ans. (D) 0.5 22.5 12.5 4.5 1.5 2.5 3.5 4.5 **Explanation-**So, ? = 18 3, 6, 18, 21, 63, 66, ? Q.5 (A) 181 (B) 160 (C) 147 (D) 198 Ans. (D) **Explanation-** $3 + 3 = 6, 6 \times 3 = 18$ 18 + 3 = 21, 21 x 3 = 63 So, 63 + 3 = 66 ? = 66 × 3 = 198

Q.6 510, 322, 404, ?

- (A) 422 (B) 371
- (C) 629 (D) 819

Ans. (A)

Explanation -

There are even numbers in the sequence.

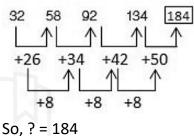
So, ? = 422

#### Q.7 32, 58, 92, 134, ?

(A) 184	(B) 194
(C) 156	(D) 169

Ans. (A)

**Explanation-**



? = 184



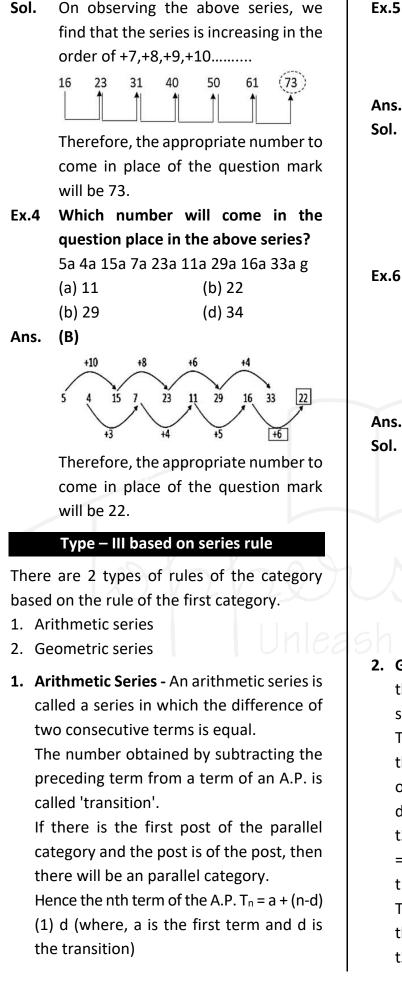
#### Completing the series -

Under this, in the given series sequence, a particular place is left blank or is denoted by the question mark (?), then the candidates are expected to find that sequence and mark the question mark (?). Select the appropriate number to come in place of.

Ex.3 Which of the given number will come in place of question mark in the series?

16, 23, 31, 4	0, 50, 61, ?
(A) 81	(B) 83
(C) 77	(D) 73
(D)	

Ans.



Ex.5 What will be the 10th term of 1st

- series 3, 5, 7, 9..... (A) 15 (B) 20
- (C) 12 (D) 21

Ans. (D)

Sol. 10th term Tn = a + (n-1) d T10 = 3 + (10 - 1) × 2 T10 = 3 + 18 T10 = 21

Hence the 10th term is 21

Ex.6 If the first term of an arithmetic sequence is 5, the second term is 3 and the last term is 80, then find the number of terms.

```
(A) 24 (B) 23
```

```
(C) 26 (D) 29
```

```
Ans. (C)
```

```
Sol. a = 5, d = 3, Tn = 80, n = ?

Tn = a + (n - 1)d

80 = 5 + (n - 1) 3

(n - 1) = 80 - 5/3

n - 1 = 25

n = 25 + 1

n = 26

Hence the number of posts is 26
```

 Geometric Series - Such a series in which the ratio of two consecutive terms is same is called 'Geometric Series'. This ratio is called the 'common ratio' of

the geometric series. The 'common ratio' of of a geometric series is obtained by dividing a term by its previous term, i.e.

t2/t1=t3/t2=t4/t3= ··· ... ... ...

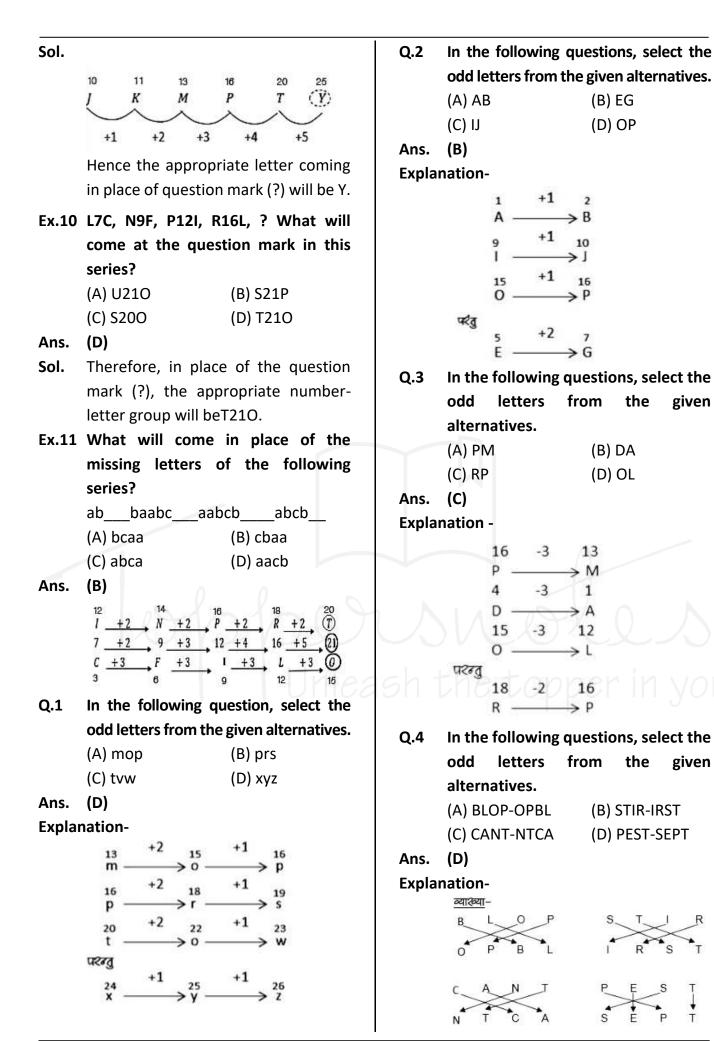
=tn/tn-1=proportionate

t1,t2,t3,t4

The middle term is the average of both the terms.

t2 – t1 = t3 – t2 = t4 – t3

lft	the first term of a geometric series is a	Expla	nation-		
an	d the proportion is r, then the nTH		Except the number pair 13-37, in all		
te	rm of that geometric series		the other number-pairs, the second		
Tn	n = a. r^n−1		number is three times the first		
Ex.7	What is the 6th term of the series		number.		
	3,9,27,81,?		10 × 3 = 30		
	(A) 729 (B) 243		11 × 3 = 33		
	(C) 1681 (D) 1747		50 × 3 = 150		
Ans.	(A)		but,		
Sol.	First Term a = 3		$13 \times 3 - 2 = 37$		
	Common ratio d=9/3=3	Q.2	In the following questions, select the		
	6th termT6 = a. r^n−1		odd number pair from the given		
	= 3. 3^6 - 1		alternatives.		
	= 3 × 3^5		(A) 18 : 37 (B) 24 : 47		
	= 3 × 243 = 729		(C) 32 : 65 (D) 48 : 97		
	= 3 × 243 = 729	Ans.	(B)		
	So the 6th term is 729	Expla	nation-		
Ex.8	What will be the 10th term of the		Number pair 24: Except 47, in all		
	series 7, 14, 28,?		other number-pairs, the second		
	(A) 3216 (B) 2736		number is one more than twice the		
	(C) 2684 (D) 3584		first number.		
Ans.	(D)		18 × 21= 37		
Sol.	First Term a=7		32 × 21 =65		
	Common ratio=14/7=2		48 × 21= 97		
	10th term		but,		
	T10 = a. r^n-1	ash <sup>-</sup>	24 × 2-1=47		
	= 7 × 2^10-1	3.	Alphabet series -		
	= 7 × 2^9		Under this, a series of letters related		
	= 7 × 512		to the English alphabet is given in the		
	= 3584		given series, in which one or two		
	Hence the 10th term is 3584		letters are omitted, or is represented		
	Type-IV		by a question mark (?) in that place.		
Q.1	In the following questions, select the	Ex.9	What will come in place of question		
<b>کر</b> .۲	odd number pair from the given		mark (?) in the given series?		
	alternatives.		JKMPT?		
			(A) X (B) W		
	(A) 10.30 (B) 11.33 (C) 50 150 (D) 12 27		(C) Y (D) none		
۸ <i>س</i> -	(C) 50.150 (D) 13.37	٨٥٥			
Ans.	(D)	Ans.	(C)		



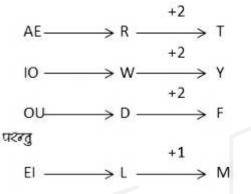
# Q.5 In the following questions, select the odd letters from the given alternatives.

(A) EI-LM	(B) AE-RT
(C) IO-WY	(D) OU-DF

Ans. (A)

#### Explanation –

'Letter-pair' is a letter gap between the letters of the second unit in all other letter-pairs except 'EI-LM'. The first unit has a continuous vowel.



Q.6 In the following questions, select the odd letters from the given alternatives.

(A) DEGJ (B) QRTW (C) YZBE (D) JKNQ

Ans. (D)

Explanation -

# $\begin{array}{c} \begin{array}{c} 4 & +1 & 5 & +2 & 7 & +3 & 10 \\ D \longrightarrow E \longrightarrow G & \longrightarrow J \\ 17 & +1 & 18 & +2 & 20 & +3 & 23 \\ Q \longrightarrow R \longrightarrow T & \longrightarrow W \\ 25 & +1 & 26 & +2 & 2 & +3 & 5 \\ Y \longrightarrow Z \longrightarrow B & \longrightarrow E \\ \hline UZ3G \\ 10 & +1 & 11 & +3 & 14 & +3 & 17 \\ J & \longrightarrow K \longrightarrow N \longrightarrow Q \end{array}$

# Q.7 In the following questions, select the odd letters from the given alternatives.

(A) ACDF	(B) TUOP
(C) HIVW	(D) FGKL
(Δ)	

Ans. (A)

**Explanation** -

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 \begin{array}{c} 1 & +2 & 3 & 4 & +2 & 6 \\ A \longrightarrow \underbrace{C}_{:} D & \longrightarrow F \\ 20 & +1 & 21 & 15 & +1 & 16 \\ T \longrightarrow \underbrace{U}_{:} D & \longrightarrow P \\ 8 & +1 & 9 & 22 & +1 & 23 \\ H \longrightarrow \underbrace{L}_{:} V & \longrightarrow W \\ 6 & +1 & 7 & 11 & +1 & 12 \\ F \longrightarrow \underbrace{G}_{:} K \longrightarrow L \end{array}
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#### 3. Frequency series of digits or letters -

Under this, the numbers or letters appear repeatedly in a certain sequence, thus forming a series of numbers / letters in which one or two digits in the middle or end or

Alphabets are lost and candidates have to find out the missing number/letters.

#### Ex.12 02487503001024875030010

(A) 2,4	(B) 0,1
(C) 0,2	(D) 4 <i>,</i> 8

Ans. (A)

**Sol.** After looking carefully at the given series of numbers, we find that 02487503001 is appearing repeatedly in the sequence.

So the next two digits will be 2 and 4. Directions: (1-7) Find the missing term in the following series-

Q.1 Y, S, N, J, G, ?

(A) F	(B) E
(C) H	(D) I

Ans. (B)

**Explanation-**

Hence, the appropriate term coming in place of (?) will be E.

Q.2 NZ, OY, PX, QW, RV, ?

	(A) FS	(B) SU
	(C) UF	(D) TU
Ans.	(B)	

Expla	planation-			BC, GH, LM,	?		
	Hence, the a	appropriate term will		(A) PQ	(B) RS		
	come in place	of (?) will be SU.		(C) QR	(D) OP		
Q.3	A, E, I, ?, Q		Ans.	(C)			
Q.5	A, E, I, :, Q (A) O	Expla	nation-				
	(A) U (C) U	(B) M (D) L		+5 +5	+5		
Ans.	(C) O (B)			$B \rightarrow G \rightarrow L$	→Q +5		
Explanation-				$C \rightarrow H \rightarrow M$	$I \rightarrow R$		
	+4 +4 +4		Therefore, the appropriate term that				
	$A \rightarrow E \rightarrow I \rightarrow M \rightarrow Q$ Hence, the appropriate term to come			comes in place of (?) will be QR.			
			Q.7	AC, FH, KM, PR, ?			
	in place of (?)	will be M.	Q./	(A) UX	(B) TV		
				(A) UW	(D) VW		
Q.4	adcebedfo	fe?	Ans.	(C) 0 W			
-	(A) h (B) g			ination-			
	(C) f	(D) d	Слріа		15 15		
Ans.	(B)			$A \rightarrow F \rightarrow K$	$\rightarrow P \rightarrow U$		
Expla	Explanation-			$C \xrightarrow{+5} H \xrightarrow{+5} M$	$I \xrightarrow{+5} R \xrightarrow{+5} W$		
	+1	+1		Hence the a	ppropriate term to come		
	-	$b \longrightarrow c$		in place of (?			
	+1	+1					
	$\underline{d} \longrightarrow +1$	$e \longrightarrow f$	Q.8		ing questions, select the		
	c>			odd numb			
	÷ +1	+1		alternatives.			
	.e →	$f \longrightarrow g$		(A) 362	(B) 145		
	Hence, the ap	propriate term coming	sh'	(C) 26	(D) 625		
	in place of (?)		Ans.	(D)			
о г	AAT, BBE, CCP	-	Expla	ination-			
Q.5	(A) DDA	, : (B) DDB		•	number 625, all other		
	(C) DDC	(D) DDD			e one more than the		
Ans.	(C) DDC (A)				are of certain natura		
	Explanation-				e number 625 is a perfect		
	+1 +1	+1		square numb			
	$A \rightarrow B \rightarrow$	C→D		362 = 19 × 19			
	$A \xrightarrow{+1} B \xrightarrow{+1}$	$C \xrightarrow{+1}{\rightarrow} D$		$145 = 12 \times 12$			
	T -15 -15			26 = 5 × 5 + 1	L		
				But,	_		
	Hence, the appropriate term to come			625 = 25 × 25	)		
	in place of (?)	will be DDA					

	Practice Questions			4E, 8I, 13N, 19T, ? Find the missing			
1.	4, 10, 22, 46		term.				
	number.			(A) 26U	(B) 26A		
	(A) 56	(B) 66		(C) 26Z	(D) 25X		
	(C) 76	(D) 94	8.	abdbc_	cdad_bcabd		
2.	87, 90, 84, 88,		(A) cdaba	c (B) cdaabc			
	(A) 86,78	(B) 86,88		(C) adaba	c (D) dadabc		
	(C) 86,88	(D) 85,93					
3.	Which of the	9.	15, 30, 60, 120, ? Find the missing				
	not correct in		number.				
	3, 6, 10, 16, 21	., 28		(A) 250	(B) 245		
	(A) 10	(B) 3		(C) 240	(D) 260		
	(C) 16	(D) 21	10.	120, 60,	30, 15, ? Find the missing		
4.	2 12 26 90 4	2, 12, 36, 80, 150, ? Find the missing			number.		
4.	2, 12, 30, 80, . number.		(A) 7.5	(B) 5.7			
	(A) 210	(B) 258		(C) 3.0	(D) 8.5		
	(C) 252	(D) 194	120	60	30 15 (7.5)		
5.	Which of the	following numbers is	~	<u> </u>	i i i i i i i i i i i i i i i i i i i		
5.	Which of the following numbers is not suitable in the sequence?		3	÷2 ÷	$2 \div 2 \div 2$		
		11.	4, 10, ? 82, 244, 730				
		19, 28, 39, 52, 67, 84, 102		(A) 218	(B) 28		
	(A) 84	(B) 102		(C) 24	(D) 77		
	(C) 67	(D) 52		(0) 24			
6.	Find the missi						
	(A) WYAC	(B) WXYA					
	(C) WXYZ	(D) WYZA	agh ·				

#### Answer Key

Directions - Find out the related words from the alternatives given below.									
Q.1	(D)	Q.2	(A)	Q.3	(C)	Q.4	(C)		
Q.5	(B)	Q.6	(A)	Q.7	(B)	Q.8	(A)		
Q.9	(C)	Q.10	(A)	Q.11	(B)				