



RRB

Junior Engineers (JE)

Railway Recruitment Board

Volume - 2

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Reasoning



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# 1

## CHAPTER

# Analogy

Similarity or similarity is the relation or similarity of any object, word, letter, number to any other object, word, letter, number with quality, form, shape, type, character, etc. Generally, these types of questions are asked under analogy.

### Type 1 - Hindi word Analogy

Under this, considering the relation of Hindi words given in the questions asked, one has to find such a word from the given answer options, whose relation can be established with the given words or with the third word.

(i) **Finding similar words:** - Considering the relation of two words given in the questions asked under this, one has to find such word from the answer options, whose relation is established with the given third word.

#### Example - 1

Select the related word from the given alternatives.

River : Stream :: Ocean : ?

- (A) Current (B) Pond  
(C) Dam (D) Sea

#### Ans. (A) Current

**Solution :** Just as a stream originates from the water of a river, in the same way a current arises from the water of the ocean.

#### Example - 2

The way Colombo is related to Sri Lanka, in the same way Kathmandu is related to?

- (A) Tibet (B) India  
(C) Bhutan (D) Nepal

#### Ans. (D) Nepal

**Solution :-** Just as Colombo is the capital of Sri Lanka, in the same way, Kathmandu is the capital of Nepal.

(ii) Finding the identical pair :- In the questions that come under this, two words are given, which are related to each other in some way. Exactly the same type of relation is also in any one of the options given below.

#### Example - 3

Select the related word pair from the given alternatives.

Preamble : Constitution :: ? : ?

- (A) Word : dictionary  
(B) Theme : Magazine  
(C) Explanation : Poem  
(D) Introduction : Book

#### Ans. (D)

**Solution:-** Just as there is a preamble of the constitution, in the same way there is a preamble of the book.

(iii) **Choosing similar words and special classes for similar words**

Some words are given in the questions coming under it. You have to choose a word from the given alternatives which is exactly same as the word given in the beginning and find the word which shows the particularity among the words given in the question.

#### Example - 4

Who is the same as - Earthquake, cyclone, volcanic eruption

- (A) Global heat  
(B) Flood  
(C) Accidents  
(D) Nuclear explosion

#### Ans. (B) Flood

**Solution:** Just as earthquakes, cyclones and volcanic eruptions are natural disasters. Similarly, floods are also a natural disaster.

**Example – 5**

Given below three words, which have some common features, select the correct option.

Snake, lizard, crocodile

- (A) Reptiles (B) Mammals  
(C) Omnivores (D) Deer

**Ans. (A)**

**Solution:** Snake, Lizard and Crocodile are all three reptiles.

**Example – 6**

Find the alternative which has the same relation as in all the three words given below.

King, Queen, Palace

- (A) Pigeon, bird, dispensary  
(B) Goat, goat, fort  
(C) Bumblebee, spider, water  
(D) Lion, lioness, cave

**Ans. (D)**

**Solution:-** Just as both the king and queen reside together in the palace, in the same way both the lion and the lioness reside together in the cave.

**(iv) Double Symmetry :** - Under this, two words are given on the left and right of the symbol (::) in the question. Each word is missing in both the words.

The missing word has to be found from the options given below.

**Example – 7**

In the following question, find out the missing word from the alternative given below

A : Ugly :: Peace : B

- (A) A - Beautiful, B - War  
(B) A – Friendship, B – Noise  
(C) A – Honesty, B – Treaty  
(D) A - Number, B – Strike

**Ans. (A)**

**Solution:-** Just as, beautiful and ugly are opposite words of each other. Similarly, peace and war are also opposite words to each other.

**Type - 2 English Alphabets Analogy :-**

The questions under this are based on letters or letter groups of the English alphabet. After knowing the relationship of the first two letter-groups given in these questions, on this basis, the correct answer for the third letter-group has to be found from the options.

**Vowels and Consonants of English Letters :-**

Vowel Letters – A, E, I, O, U

Consonant Letter – B, C, D, F, G, H, J, K, L, M, N, P, Q, R, S, T, V, W, X, Y, Z

**English alphabets their corresponding numbers :-**

English Alphabet A B C D E F G H I J K L M  
Corresponding No. 1 2 3 4 5 6 7 8 9 10 11 12 13

(Word Not set in one row so font size 11 not 13)

**Example**

CHAIR : RIAHC :: TABLE : ?

- (A) BLAET (B) ETABL  
(C) LETAB (D) ELBAT

**Ans. (D)**

**Solution –**

Like,

CHAIR → RIAHC

Similarly,

TABLE → ELBAT

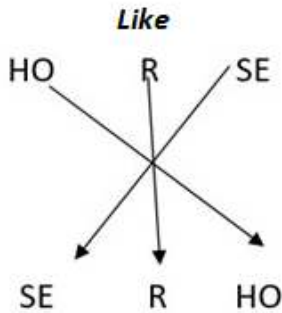
**Example - 9**

HORSE : SERHO :: CURSE : ?

- (A) RCUES (B) SECRU  
(C) SERCU (D) ERCUS

**Ans. (C)**

**Solution**



**Example - 10**

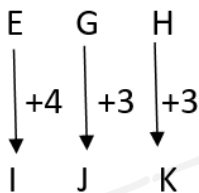
EGH : IJK :: NPQ : ?

- (A) PRS (B) RSU  
(C) RTU (D) RST

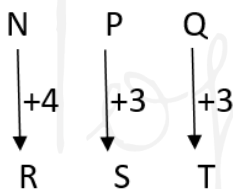
**Ans. (D)**

**Solution**

Like,



Similarly,



**Type - 3 English Word Analogy**

The questions under this are based on English words. After finding the relation of the first two words given in these questions, we find out the correct answer for the third word from the options on the same basis.

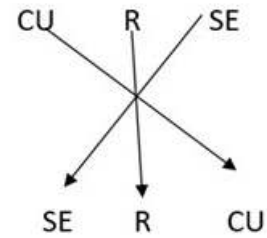
**(i) Finding Related Words**

**Example – 11**

In the following question, select the option which is related to the third word in the same way as the second term is related to the first term.

Shallow : Profound :: Synonym : ?

*Similarly,*



- (A) Context (B) Antonym  
(C) Meaning (D) Content

**Ans. (B)**

**Solution :-** Just as the opposite word of Shallow is Profound, similarly, the opposite word of Synonym is Antonym.

**(ii) To find the word pair similar to the word pair**

**Example – 12**

Which of the following pair of words shows the same relation. What kind of relationship is there between Fan : Heat ?

- (A) Water : Drink (B) Food : Hunger  
(C) Light : Night (D) Air : Breath

**Ans. (B)**

**Solution :-** When there is heat, then the fan is turned on, in the same way food is done when there is hunger.

**Type - 4 - Number Analogy**

In the questions that come under this, questions are asked based on the order of numbers, the order of the squares of the numbers, the sequence of prime numbers, etc. In other words, the questions asked under it are based on mathematical operations.

**Example 13**

Select the option, which is related to the third term in the same way as the second term is related to the first term.

23 : 69 : 27 : ?

- (A) 91 (B) 73  
(C) 81 (D) 89

**Ans. (C)**

**Solution:** Like  $23 \times 3 = 69$

Similarly,  $27 \times 3 = 81$

**Example – 14**

Select the related number from the given alternatives.

8 : 32 :: 6 : ?

- (A) 31 (B) 22  
(C) 18 (D) 21

**Ans. (C)**

**Solution:** Like  $8^2 = 64$

$$64 \div 2 = 32$$

Similarly,  $6^2 = 36$

$$36 \div 2 = 18$$

**Example – 15**

From the given alternatives, find the one which is similar to 10 : 13 :: 16.

- (A) 8 : 10 : 15 (B) 13 : 16 : 19  
(C) 23 : 29 : 23 (D) 10 : 16 : 23

**Ans. (B)**

**Solution:** Like, 10 : 13 :: 16

$$+3 \quad +3$$

Similarly, 13 + 16 + 19

$$+3 \quad +3$$

### (Analogy or Similarity)

**Type – I**

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

- Q.1** Virus : Chickenpox :: Bacteria : ?  
(A) Chickenpox (B) Typhoid  
(C) Malaria (D) Sleeping Disease
- Q.2** Book : Shelf :: Clothes : ?  
(A) Hanger (B) Cupboard  
(C) Wardrobe (D) Bureau
- Q.3** Gramophone : Record :: Video : ?  
(A) T.V. (B) Recording  
(C) Cassette (D) Camera
- Q.4** Axe : Rip :: Path : ?  
(A) Shear (B) Pull  
(C) Ploughing (D) Knitting
- Q.5** Bird : Feather :: Fish : ?  
(A) Gills (B) Scales  
(C) Tail (D) Pisces

**Q.6** Movement : Required :: Effort : ?

- (A) Personality (B) Motivation  
(C) Success (D) Probability

**Type – II**

**Direction - Find out the related number from the alternatives given below.**

- Q.7** 85 : 42 :: 139 : ?  
(A) 68 (B) 69  
(C) 70 (D) 67
- Q.8** 8 : 28 :: 27 : ?  
(A) 8 (B) 28  
(C) 64 (D) 65
- Q.9** 8 : 56 :: 9 : ?  
(A) 10 (B) 63  
(C) 7 (D) 9
- Q.10** 8 : 512 :: 9 : ?  
(A) 781 (B) 792  
(C) 729 (D) 728
- Q.11** 21 : 3 :: 574 : ?  
(A) 113 (B) 23  
(C) 97 (D) 82
- Q.12** 100 : 121 :: 36 : ?  
(A) 64 (B) 49  
(C) 25 (D) 16

**Type – III**

**Directions - Find out the related letters from the alternatives given below.**

- Q.13** AGMS : CIOU :: DJPV : ?  
(A) BHNY (B) STUV  
(C) FLRX (D) MNOP
- Q.14** CAT : DDY :: BIG : ?  
(A) CLL (B) CLM  
(C) CML (D) CEP
- Q.15** KMF : LLH :: RMS : ?  
(A) SLR (B) SLU  
(C) SSU (D) SUS
- Q.16** CEGI : RTVX :: IKMO : ?  
(A) JKLNP (B) LNPR  
(C) MNPQ (D) DFHI

- Q.17** ABCD : QRST :: BACD : ?  
 (A) RQST (B) STQR  
 (C) QRST (D) RSTQ
- Q.18** ACE : BDF :: MAQ : ?  
 (A) BMW (B) NQP  
 (C) NPR (D) BEF
- Q.19** BFG : EIJ :: RVW : ?  
 (A) UWY (B) UYZ  
 (C) SWX (D) QUV
- Q.20** STAR : TSRA :: ROSE : ?  
 (A) ORSE (B) ORES  
 (C) ESOR (D) SORE
- Q.21** ADIP : DGSL :: BEJQ : ?  
 (A) CGLS (B) EHMT  
 (C) EJQU (D) FINU
- Q.22** EI : AE :: UO : ?  
 (A) PK (B) QJ  
 (C) PJ (D) QK
- Q.23** GHP : FFM :: PIC : ?  
 (A) OGZ (B) OHZ  
 (C) NGA (D) NHA

- Q.24** AIR : ZKO :: CAP : ?  
 (A) ACM (B) ABN  
 (C) BCM (D) BBN
- Q.25** NU : MF :: EH : ?  
 (A) IR (B) VS  
 (C) GT (D) DW
- Q.26** BAND : DCPF :: PUSY : ?  
 (A) GVTZ (B) HWTZ  
 (C) GVUA (D) HWUA
- Q.27** FAM : HBO :: LMP : ?  
 (A) MOR (B) NOR  
 (C) NNR (D) MNR
- Q.28** AB : CD :: WX : ?  
 (A) AZ (B) YZ  
 (C) XM (D) PQ
- Q.29** OPQ : RST :: ABC : ?  
 (A) BCA (B) DMN  
 (C) DEF (D) ABD
- Q.30** Select the option whose letters share the same relationship as the pairs of the given letters.  
 JT : NX  
 (A) TP : XT (B) RK : VG  
 (C) GS : KU (D) LD : PG

## Answer Key

### Type – I

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

- Q.1** (B)                      **Q.2** (C)                      **Q.3** (C)                      **Q.4** (D)  
**Q.5** (B)                      **Q.6** (C)

### Type – II

- Q.7** (B)                      **Q.8** (D)                      **Q.9** (B)                      **Q.10** (C)  
**Q.11** (D)                      **Q.12** (B)

### Type – III

- Q.13** (C)                      **Q.14** (C)                      **Q.15** (B)                      **Q.16** (B)  
**Q.17** (A)                      **Q.18** (C)                      **Q.19** (B)                      **Q.20** (B)  
**Q.21** (B)                      **Q.22** (D)                      **Q.23** (A)                      **Q.24** (C)  
**Q.25** (B)                      **Q.26** (D)                      **Q.27** (C)                      **Q.28** (B)  
**Q.29** (C)                      **Q.30** (A)

# 2

## CHAPTER

# 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 letters of the English alphabet

Block letters	A B C D E
F G	H I J K L
M	
Lowercase letters	a b c d e f
g h i j k l	
m	
Block letters	N O P Q R
S T	U V W X Y
Z	
Lowercase letters	n o p q r
s t	u v w x y
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

3. 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
←						→						
<i>First Half</i>												

N	O	P	Q	R	S	T	U	V	W	X	Y	Z
14	15	16	17	18	19	20	21	22	23	24	25	26
←												
<i>Second Half</i>												

(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.

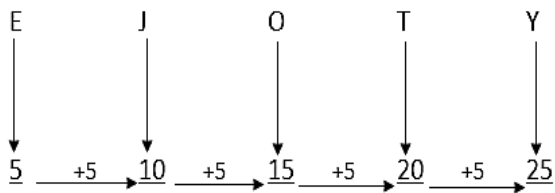
Z	Y	X	W	V	U	T	S	R	Q	P	O	N
1	2	3	4	5	6	7	8	9	10	11	12	13
←						→						
<i>First Half</i>												

M	L	K	J	I	H	G	F	E	D	C	B	A
14	15	16	17	18	19	20	21	22	23	24	25	26
←												
<i>Second half</i>												

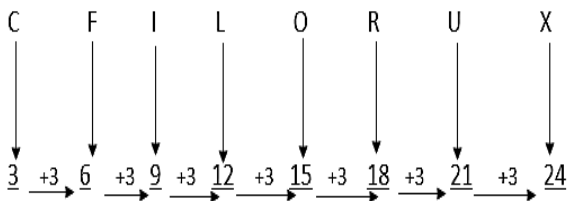


4. Finding the Position Order of Letters by EJOTY and CFILORUX

from Left



From Left



**Opposite Letter** - Each letter in the English alphabet has an opposite letter.

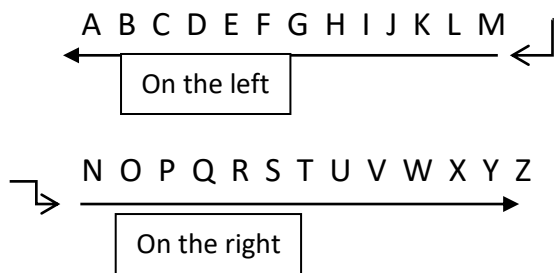
A	Z	$1 + 26 = 27$
B	Y	$2 + 25 = 27$
C	X	$3 + 24 = 27$
D	W	$4 + 23 = 27$
E	V	$5 + 22 = 27$
F	U	$6 + 21 = 27$
G	T	$7 + 20 = 27$
H	S	$8 + 19 = 27$
I	R	$9 + 18 = 27$
J	Q	$10 + 17 = 27$
K	P	$11 + 16 = 27$
L	O	$12 + 15 = 27$
M	N	$13 + 14 = 27$

If the letter of the English alphabet whose opposite letter is to be found, then the corresponding number of that letter is subtracted from 27. The number obtained after subtracting is the corresponding number of the opposite letter.

**Finding the letter to the left and right of letters**

- Whatever is on our right is the right of the same letters and whatever else is on

our left, is the left of those other letters. like -



**Question Types**

**Type-I Questions Based on Alphabet Test**

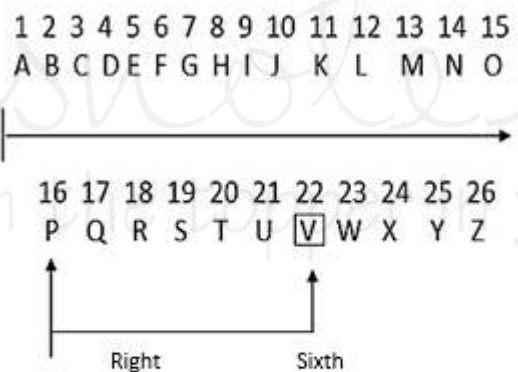
1. The position of the letters in the direct sequence shall be -

**Example-1** Which letter is 6th to the right of the sixteenth letter from the left in the alphabet A B C D E F G H I J K L M N O P Q R S T U V W X Y Z ?

- (a) F
- (b) Q
- (c) U
- (d) V

Ans. (d)

**Solution** - As per question



**16th letter from left in English alphabet = P**  
**Hence 6th letter to the right of P = V**

**Alternative Method**

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

$m = 16$  and  $n = 6$

$(16+6)^{\text{th}}$  letter from left =  $22^{\text{nd}}$  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<sup>th</sup> to the left of the 3<sup>rd</sup> letter from the right?

- (a) C (b) P  
(c) R (d) L

**Ans. (b)**

**Solution** -  $n^{\text{th}}$  letter to left of  $m$  letter from your right in reverse order of English alphabet =  $(m + n)^{\text{th}}$  letter from right.

Here,  $m = 3$  and  $n = 13$

=  $(3+13)^{\text{th}}$  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**

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  
(c) D (d) J

**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  
D C B A N O P Q  
↑ ← To the left of → ↑  
7<sup>th</sup> 10<sup>th</sup>

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 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

**Ans. (d)**

4 3 2 1 9 8 7 6 5 15 14  
 D C B A I H G F E O N

13 12 11 10 22 21 20 19  
 M L K J V U T S  
 From left 7<sup>th</sup> 8<sup>th</sup>

18 17 16 26 25 24 23  
 R Q P Z Y X W  
 From right 7<sup>th</sup>

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 -**

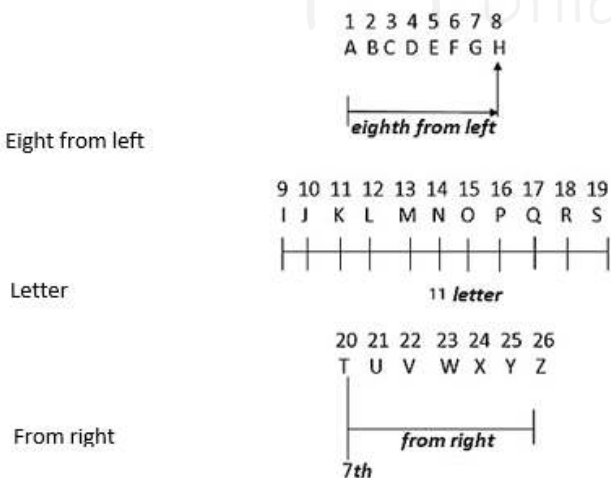
**Example - 5**

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?

- (a) 8
- (b) 9
- (c) 10
- (d) 11

**Ans. (d)**

**Solution – As per Question**



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.

**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)**

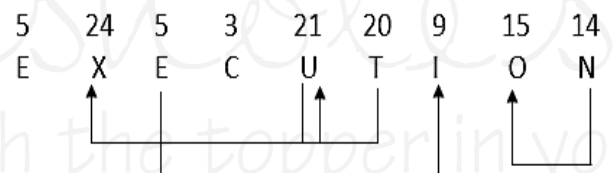
**Solution**

<i>Root Word</i>	C	A	D	M	P
<i>Alphabetical Order</i>	A	C	D	M	P

Hence such letters are D, M, and P.

**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

**Ans. (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



Hence, the required alphabet = N

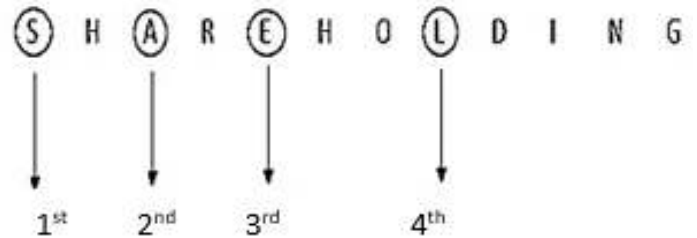
(ii) Making meaningful words from selected / consecutive letters of a semi-complete word

**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  
(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, GUILLE 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.

G	T	A	E	N	M
1	2	3	4	5	6

- (a) 1, 3, 2, 6, 4, 5 (b) 6, 3, 5, 1, 4, 2  
(c) 1, 3, 2, 5, 4, 6 (d) 6, 3, 1, 5, 4, 2

Ans. (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**

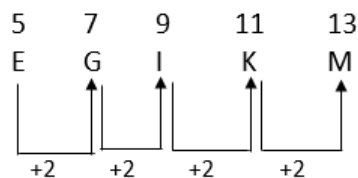
In this type of questions, related to English alphabets are given. Following these rules, it is to be seen that in which option the given letter is following the group.

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

- (a) EGIKM                      (b) MOQTU
- (c) MPQTU                    (d) MNOPQ

**Ans. (a)**

**Solution -**



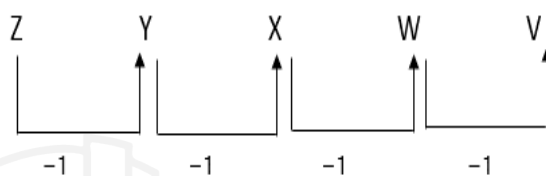
So in the EGIKM letter-pair, one letter is missed between every two letters.

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

- (a) ABCDE                      (b) ZYXWV
- (c) KLMNO                    (d) PQRST

**Ans. (b)**

**Solution**



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

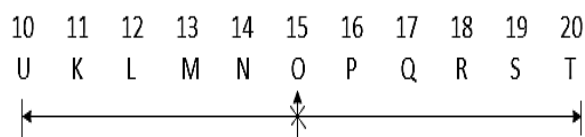
**Example with Solution**

1. 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

**Ans. (b)**

**Solution**



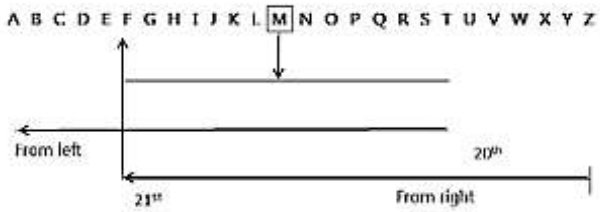
The letter O is exactly between J and T.

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)**

**Solution**



The 20<sup>th</sup> letter from the left is T and the 21<sup>st</sup> letter from the right is F and the letter M is exactly in between these two.

3. If the letters of the word BEAUTIFUL are rearranged and written alphabetically, then how many such letters will be there whose position will remain unchanged?

- (a) 1
- (b) 3
- (c) 2
- (d) more than three

**Ans. (a)**

**Solution** - According to the question,

<i>Root Word</i>	B E A U T I F U L
<i>Alphabetical Order</i>	A B E F I L T U U

Hence the position order of only one letter remains unchanged.

4. If each vowel of the word DOMAINS is changed to the letter that follows it according to the English alphabet and each consonant is changed to the letter that precedes it according to the English alphabet and then all the letters are alphabetically (from left to left) right), then which of the following will be at the third position from the right in the sequence so formed?

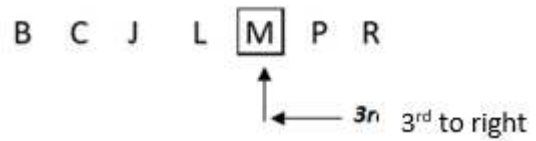
- (a) J
- (b) C
- (c) P
- (d) M
- (e) B

**Ans. (d)**

**Solution**

Given word            → D O M A I N S  
 Changing the vowel → D P M B J N S

Changing the consonant C P L B J M R  
 Now, alphabetizing these letters (from left to right)



5. Make a meaningful word using each letter of the word HTUTR only once. Your answer will be the fifth letter of the word formed. If more than one such word is formed, then your answer will be wrong and if no such word is formed then your answer will be correct.

- (a) H
- (b) R
- (c) U
- (d) X
- (e) Y

**Ans. (a)**

**Solution** - According to the question, meaningful words formed from the letter-group HTUTR = TRUTH

Hence, the fifth letter from the left in TRUTH = H

6. What is the letter in the word WASHINGTON, which when counted is the same number as in the alphabet?

- (a) N
- (b) T
- (c) O
- (d) G

**Ans. (d)**

**Solution** – According to question

W A S H I N G T O N

A B C D E F G H I J → *Alphabetical Order*

So required letter = G

7. A set of letters is assigned a number to each. Putting them in a meaningful order, select the correct sequence from the letters of the given answers.

Y M L O S B C I  
 1 2 3 4 5 6 7 8

- (a) 47685321
- (b) 51264387
- (c) 21645387
- (d) 56241387

**Ans. (b)**

**Solution** - By rearranging the letters of Y 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.

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.

V E N T U R E S O M E

- (a) ROSTRUM (b) TRAVERSER  
(c) SERMON (d) SEVENTEEN

**Ans. (c)**

**Solution** - The word SERMON can be formed from the letters of the given word.

9. Which letter can be put after the words of the following questions to form new words ?

STAG, ENGAG, DAMAG, SEWAG

- (a) A (b) S  
(c) E (d) P

**Ans. (c)**

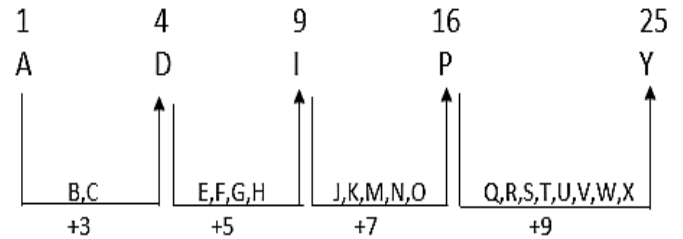
**Solution** - If the letter E is placed immediately after the words STAG, ENGAM, DAMAG, SEWAG, then completely new meaningful words STAGE, ENGAGE, DAMAGE, SEWAGE will be formed.

10. The number of letters skipped between two adjacent letters is increased by multiples of two.

- (a) ADIPY (b) JMRYG  
(c) EHNTC (d) HKBWF

**Ans. (a)**

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



So, the desired series = ADIP

### Practice Questions

#### TYPE - 1

- Q. 1** Cannot be formed using the letters of the given word.

VENTURE

- (a) RENT (b) RATE  
(c) TURN (d) TRUE

- Q. 2** IMPOSSIONABLE

- (a) IMPOSSIBLE (b) POSSIBLE  
(c) IMPOSE (d) IMPASSIVE

- Q. 3** KOLMOGROV - SMIRNOV

- (a) MOORINGS (b) ROOMKIN  
(c) GOVINDA (d) SLIMGROOM

- Q. 4** DISINTEGRATION

- (a) SIGNATURE (b) INTERN  
(c) SINGER (d) RATION

- Q. 5** COMPETITION

- (a) TOTEM (b) POETIC  
(c) COMPOSE (d) OPINE

- Q. 6** TERRORISM

- (a) MIRROR (b) ERROR  
(c) MORE (d) ROAR

- Q. 7** COMMUNICATION  
 (a) ACTION (b) UNION  
 (c) NATION (d) UNISON
- Q. 8** TRANSLATION  
 (a) TRANSIT (b) TRANSMIT  
 (c) RATION (d) NATION
- Q. 9** TECHNOLOGICAL  
 (a) LOGIC (b) LOAN  
 (c) HATER (d) COLOGNE
- Q. 10** EXAMINATION  
 (a) MINE (b) TIME  
 (c) SAME (d) NOTE
- Q. 11** From the following alternatives, select the word which cannot be formed using the letters of the given word.  
 BUILDINGS  
 (a) BUILD (b) BINDS  
 (c) SAND (d) DUBS

- Q. 12** From the following alternatives, select the word which cannot be formed using the letters of the given word.  
 COMPLIMENTARY  
 (a) TRIM (b) TRAPS  
 (c) PRIME (d) TRAIN
- Q. 13** From the following alternatives, select the word which cannot be formed using the letters of the given word.  
 PROMINENT  
 (a) TONE (b) MINE  
 (c) PROPS (d) MORE
- Q. 14** From the following alternatives, select the word which cannot be formed using the letters of the given word.  
 CONVICTED  
 (a) CITE (b) NODE  
 (c) TONE (d) DESK

### Answer Key

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

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