

# GROUP - D

RAILWAY RECRUITMENT BOARD

# **General Intelligence & Reasoning**



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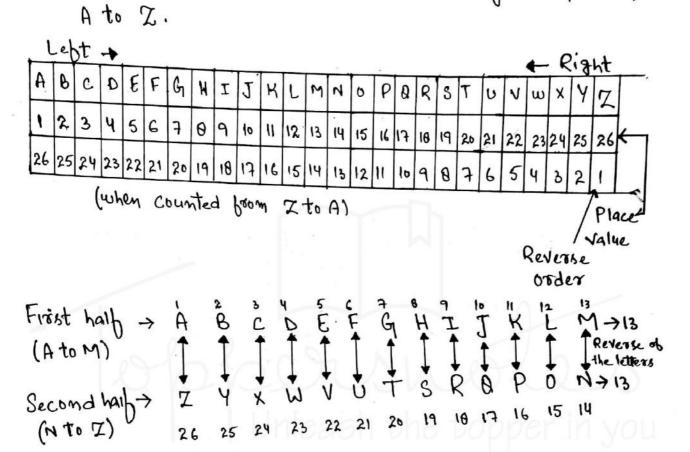
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#### **ALPHABET**

Alphabet:
There are 26 letters in an English Alphabet,



E	J	0	T	Y
5	10	15	20	25

Remember 'EJOTY'

c	F	T	Ļ	0	R	U	X
გ	6	9	12	15	18	21	24

'CFILORUX'

No well >	A	E	I	0	υ
	١	5	9	15	21



letter is asked, we'll find - the difference of their sequence (for same side).

r example: Which is the 7th letter from the left of the 10th letter broom letter from left in english alphabet?

Seed letter = C

when at the left of the right letter or right of the left letter is asked, we'll find the sum of their servences ( for two difference side's servence)

example : in which will be the 8th letters at the eight from 12th letter from left.

io!" Left + Right 12 + 8 = 20th letter = T

T will be the 20th letter from left in the english alphabet.

to which will be the letters in English Alphabet, which is 7th at left from 12th from right.

It Here for 2 different sides we add servence no.

i,e Right + left 
$$12 + 7 = 19$$



So, 19th letter brom Right side, we subtract 19 from 27. 27 - 19 = 8th

Oth letter brom left side is 'H'

\*= When position of letter is asked from right side (Z), we minus from 27.=

Like 1. R is 10 from left side then what is the bosition from right side.

 $S_{01}^{"}$  27 - 18 = 9

R is 9th from Right side in English Alphabet.

Example: which will be the letter in English alphabet, which is 6th at right from 22nd from eight?

Sol? Right - Right 22 - 6 = 16

So, 16th letter from right means

27-16 = 11th from left, and

K is the 11th letter from left.

Example: Which letter is 10th to Right of 19th letter from Right.



In-short

At the left from left ] (-)

At the left from left ] (+)

At the left from Right ] (+)

is given:

Example: Study the following arrangement carefully and answer the following questions:

R4PIJM03%T00 UKSVIW\$Y2BE6#9DH0G\* ZN

Al. which is 6th at the left of 15th become the left in above arrangement.

Solar left - left  $-6 = 9^{+h}$  forom left so answer = %.

A2: In the above arrangement; how many numbers are such which are produced by Consonant and not followed by a letter?

Sol? Answer = one

consonant Number not letter.

43. Arrangement according to Dictionary: In
this arrangement, we arrange the letters in the



Order in which they appear in the English alphabet.

For example: 1. Choose the one that comes at the second place According to Dictionary.

A. Bathing

B. Banking

c. Backing

D. Banishing

E. Barricading.

Sol? According to English Dictionary.

Backing, Banishing, Banking, Barricading, Bathing

1 2 3 4 5

So, banishing is at second place.

\* 2. How many letters bairs in the world PARADISE are such bairs, which contain the same no. of letters between them as they have in the English Albabet?

Sol. PARADIS E

we have 3 letter pairs here.

\*3. It the 2nd harf of the English alphabet is written in reverse order, then which letter will be the 13th at right from 8th from left?

#### Explanation:

According to Question A -> MZ -> N



#### ABCDEFGHIJKLM MZYXWVUTSROPON

Now B + 13 = 21

So, 21 letters, 13 are form A to M, remaining O should be counted from I to N, which is





en 10			solved examples					
Q. 1	of the second h which letter will	alf of	the	English	Alphabet	is	reversed	then
201	mich letter mill	be 4	to th	e right of	l 20th Lette	r fr	com the rig	ht?

Right - Right

=> 20 - 4 = 16th from Right

So 27 - 16 = 11th bocom left = K

16th from Right = 11th brom Right

Q. 2 which letter is in the middle between the 9th letter from the right and 8th letter from the left in the English Alphabet?

sal:  $A \longrightarrow Z$ 

8th brom left = H 9th from the right (27-9=10=R)

So middle letter =  $\frac{\theta + 1\theta}{2} = 13^{th} = M$ 

Q3 AECB%7D\$EB5C?3DE9@2#, If all the namels are dropped from the above arrangement which of the following will be the 12th from the left end of the above arrangement?

sal: After dropping vowels we have

CB170\$B9C?3D902#

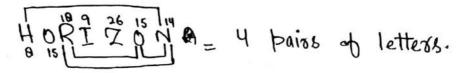
Q. 4 If the sequence of the English alphabet is reversed then which is the to the left of second valuel. From the right of English Alphabet in the new series?

sol: Second vowel from the right of reversed English alphabet is E and 7th letter to the left of E in the new series is L.



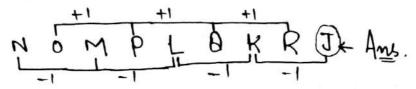
Q.5 How many pairs of letter are there. In the word 'HORIZON' which have as many letters between them in the word as in the English Alphabet?

sal:



Q. 6 What is the next letter of the following sequence N, O, M, P, L, Q, K, R, ?

sal:



9.7 If the first and second letters in the word 'MISFORTUNE' were interchanged, also the third and the fourth letters, the fifth and sixth letters and so on, which letter would then be the eight letter counting to your left?

sol:

Q. 8 Arrange the given words in alphabetical order and choose the one that comes in the middle?

sal: According to alphabet order >

shout, skirt, slaughter, specify, straight

middle word = Slaughter.

Q. 9 & NAMO = 172 and OM = 56, then SHIVAY = ?

sal:

$$0M = 15 + 13 = 20 \times 2 = 56$$

SHIVAY = 
$$19 + 0 + 9 + 22 + 1 + 25 = 94 \times 6$$
  
=  $504$ 



pirections (10-14): study the following arrangement of numbers, letters and symbols carefully and answer the questions given below.

R @ 29 T V A Y 5 © # J ! P 8 Q \$ E 3 \* H % 6 W 4 | 8 U Z 0.10 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 the group?

JPO, E\*Q, WI%, 9V@, I#8

JPC E\* 8 WI% 9 V 6 1 # 8

AMS 1#8

Q. 11 which of the following is the fifth to the right of the 19th element from the right end?

P, V, W, 8, Q

sol:

19-5 = 19th element brom the right end = 8.

Q. 12 HOW many such number are these in the given arrangement, each of which is immediately preceded by the consonant and immediately followed by a symbol?

sal:

YS @ -> 1 bairs

Q. 13 of the positions of the last 18 elements in the given arrangement are reversed, which will be the 17th from the left

sal: After arrangement

RB 29TVAYS @ # 2 U SI Y WG ? H \* 3 E \$ Q BP I, J

Q. 14 HOW many such vowels are there in the given arrangement, each of which is either immediately followed by a symbol? sal:

3 Vowels = E, I and U

Q. 15 HOW many meaningful words can be formed from the 3<sup>rd</sup>, 4<sup>th</sup>, 6<sup>th</sup> and 8<sup>th</sup> letter of the word 'CONTROVERSIAL'?

sal:

CO PTROVERSIAL

N, T, O, E -> 2 words : Note, TONE can bormed



#### **CODDING - DECODING**

#### Introduction:

A particular cocle or pattern that is used to express a wood in english language as a different wood or in different form. The Cocled wood it self does not make any sense unless we know the pattern or Cocle that has been followed.

In order to solve these type of questions we have to learn the place value from A to Z. Like A have place value 1.

Example: If the coding for 'BRASS' io 'CTBUT' what will be the coding of 'AMIT'?

#### solution⇒



## Example:-

In a certain code language, if the word 'P.ARTNER' is Coded as 'OZOSMDO' then what is the Code for the word 'SECMENT' in that language?

(A) TEHNEOU

(B) RDFLDMS

(C) RDELDMS

(D) ROFEDNS

#### Solution:-

Word: - PARTNER

↓↓↓↓↓↓↓

code → OZQSMDQ

# Example: - If Code for

UNDER  $\longrightarrow$  6152 @ DEAF  $\longrightarrow$  52 \$ 7

what is the code for FRAUD?

(a) 7@#65/

(b) 765@#

(c) 7#65

(d) # 765



#### Solution:-

UNDER 
$$\rightarrow 8152@$$

$$DEAF \longrightarrow 52#7$$

$$\begin{cases}
F \rightarrow 7 \\
R \rightarrow @ \\
A \rightarrow # \\
U \rightarrow 6 \\
D \rightarrow 5
\end{cases}$$

# Example:—

If the Coole for.

hope to see you - te so na di

Please come to see the party > fi ga na di ki 20.

hope to come -> di so ga

see you the party -> re fi 20 na

solution:- In order to solve the question we have

to find the Common words in both left & right.

hope is in 1st & 3od line -> so

to > di

See + na

you + re

the barety -> ofi/20 Lif can be anything!

Come → ga.



### Example:-

\_\_\_bourious year

4 8 3 7 Total no. of letters.

Give solution for problem + N8 # R3 7.M7 @ E4

Pure fruits sell great -> @T5 1.EA \* L4 # 56

Pet sensed ghostly form -> # M+ \*D6@47 1.T3

5pa gaurde picked flake -> 1.06 @ 56 #E5 \* A3

First letter g -> @ f → #

Question: what is the code for 'groups'?

groups → @56 → Total mo. of woods.

1 Last letter Solution:-Symbol

what is the code for 'furious'? (c) # E5 (d) \* A3 (b) #57 (a) @56

Solution: - fwious → # 57 → Total no. of wood | Last letter Symbol.



"All result is declared" is coded as HK#28 GT#38 OC@13" "its time now start" is coded as "GU@39 DP@37 VV#25 HK@28" "Prepare for better future" is coded as "VR@21 1H@24 ID#20 VH#II" "Try again this immediate" is coded as "VK@14 HV#390 BV@45 MC@15" Q. I NOW what is the code for "Flower in the given language"? (a) Hu@38 (b) UH#38 (C) IH#24~ (d) HU#38 sol. P3→ Count → Symbol for odd is @ P7 -> count -> symbol for even is # [ALL] Result is declared ALR TID 1 +2 | 1 1+2 | 1+2 | CTKF are present on the second place] Frost letter - All - last letter of All FLOWER - Count is even # of All Place value 1+12=113/ matructions (2-3) is coded as y digit 6157024983 tren: (i) of the first digit is even and the last digit is odd, they are coded as " and @ respectively. (ii) of the first digit is odd and the last digit is even, they are coded as # and \* respectively. (iii) if o is preceded as well as followed by an odd digit, then o is to be coded as &. (iv) of is preceded as well as followed by even then o is to be coded as 1. (v) o is not considered as either even or odd. Q. 2 what is will be code for 4 9 7 6 7 9 5/ (b) KQVSVQ@ (c) % Q V S V S @ V (a) % Q V S V Q L (d) NONE OF THESE 4976795 sol. 1. Q V S V 9 @ a. 3 what will be code of 76502497 (a) # L S V F K \* (b) VLSKM Λ (c) VLSVFKQ (d) Name of these

sal. Because no conditions met

7650249 1111111 V5 L F D K Q



instructions: identify the logic of pattern and answer the questions:-CBAI -8686 VOGF - 5 25 2 25 AIRE - 10 15 10 15 WTPY - 2 10 10 2 RPTO -8686 ELMI - 10 15 10 15 FRAP - 2 10 10 2 AHAH - 5 25 5 25 Q. 4 what will be value of URBAP (b) 10 15 10 15 (a) 8686 (d) None of these (c) 5 25 5 25 P) consoment 8686 - CBA I→Vowel 525525 - U O G F vowel & consonente 10 15 10 15 - A I 2 10 10 2 - W T consonent consonent " CII K93" 'visual effects of colours' is coded as is coded as " T86 M18" L23 N27 'visual for one's eye' 'Retinal detachment curtain effects' is coded as " BIS 521" K93 G14 'areas for vision development' is coded as " A10 H 32 YI6 Q. 5 which among the following options can be used for getting the code of eye? (ii) N27 MI8 L23 AIO H32 L23 T86 Y16 (i) (iv) S21 B15 T86 N27 (iii) F73 MI8 L23 G14 (v) None of these V(c) only (iii) and (iv) (b) only (ii) and (iii) (a) only (i) and (ii) (e) only (ii) and (iv) (d) only (iv) and (v) on comparing both left and sight sol. Visual - T86 effects - K93 for - 123 eye - N27/M18 - These option should be present only one in the option to

get code for 'eye'.