

# Logical Reasoning

## DECODING

26	25	24	23	22	21	20	19	18	17	16	15	14
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

13	12	11	10	9	8	7	6	5	4	3	2	1
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

## Letters

1. In certain code FIRE is coded as DGPC. what will be the last letter of the coded word for SHOT

- (A) Q
- (B) R
- (C) S
- (D) P

F	I	R	E	}	decrease by 2
↓	↓	↓	↓		
D	G	P	C		
S	H	O	T	}	Same concept decrease by 2
↓	↓	↓	↓		
Q	F	M	R		

② If AERO coded as BFSP.  
what will the code for Blue.

(A) RENO

(B) SPOT

(C) CMNF

(D) AKTD

A E R O  
↓ ↓ ↓ ↓  
B F S P

increase  
+1

Blue  
↓ ↓ ↓ ↓  
C M N F

same  
concept

③ If summer is coded RUNNER,  
the code for winter is.

(A) SUITER

(B) VIOUER

(C) WALKER

(D) SUFFER.

summer  
decrease Letter increase Letter  
↓ ↓ ↓ ↓  
runner

same concept  
↓

WINTER  
↓ ↓ ↓ ↓ ↓ ↓  
VIOUER.

(4) KNIFE codes as MPKHG,

what will coded as DTGCF

(A) BARED KNIFE  $\xrightarrow[\text{coded as}]{\text{increase 2 Letter}}$  MPKHG

(B) BREAD

(C) BRADE

(D) BRAED

?  $\longrightarrow$  DTGCF

mixed letter.

(1) In a certain code, TELEPHONE is written as ENOHPLEET. How is

ALIGNATOR written in that code?

(A) ROTAGILA

(B) ROTAGAIL

(C) ROTAGILE

(D) ROTEGILA

TELEPHONE

↓ Reverse order.

ENOHPLEET

Same concept

ALIGNATOR

↓

ROTAGILA



2. If SPIDER written as PSDI RE  
COMMON be written in that code?

- (A) OCOMMO  
 (B) OCMNNO  
 (C) OCMOMN  
 (D) OCMMON

S P I D E R  
 X X X  
 P S D I R E

C O M M O N  
 X X X  
 O C M M N O

3. If STRONG is written as ROTNSG  
 then how would NAGPUR be  
 written in the same code?

- (A) GP AUNR  
 (B) PGUARN  
 (C) PGAVRN  
 (D) GPUANR

S T R O N G  
 X X X  
 R O T N S G

(S) 1 → 5

(T) 2 → 3

(R) 3 → 1

(O) 4 → 2

(N) 5 → 4

(G) 6 → 6

N A G P U R

GP AUNR

④ PRODUCTIONS is written as QQPCVEUHPMT

How is ORIENTATION written in that code?

- (A) PQJD OVBSJNO
- (B) PQJD OVBUTPO
- (C) PSJFOVBSJNO
- (D) NSHF MVBSJNO
- (E) None of these

<sup>1 2 3 4 5 6 7 8 9 10</sup>  
 P R O D U C T I O N  
 ↓  
 odd num letter +1      even num letter +2 (-1)  
 Q Q P C V E U H P M T

<sup>1 2 3 4 5 6 7 8 9 10 11</sup>  
 O R I E N T A T I O N

↓

P Q J D O V B S J N O

⑤ FRIEND is coded as HUMJTK

how can CANDLE be written in that code.

(1) EDRI RL

(2) DCQIT QK

(3) ESSFME

(4) FY OBOC

(5) DEQJQM

F R I E N D  
 ↓<sup>+2</sup> ↓<sup>+3</sup> ↓<sup>+4</sup> ↓<sup>+5</sup> ↓<sup>+6</sup> ↓<sup>+7</sup>  
 H U M J T K  
 C A N D L E  
 ↓ ↓ ↓ ↓ ↓ ↓  
 E D R I R L

## NUMBERS

1. HARD is coded as 1357, soft is coded as 2468, what do the figures 21448 stand for.

(A) SHOOP

(B) SHOO L

(C) SCOO L

(D) SHOOT

HARD

1 3 5 7

SOFT

2 4 6 8

2 1 4 4 8

↓ ↓ ↓ ↓ ↓

S H O O T

2. TOUR is coded as 1234, ~~clear~~ is

CLEAR is coded as 56784

SPARE is coded as 90847, how will the word SCULPTURE be coded.

T O U R

↓ ↓ ↓ ↓

1 2 3 4

C L E A R

↓ ↓ ↓ ↓ ↓

5 6 7 8 4

S P A R E

↓ ↓ ↓ ↓ ↓

9 0 8 4 7

S C U L P T U R E

↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓

9 5 3 6 0 1 3 4 7

(A) 953601347

(B) 567903417

(C) 953016347

(D) 953603147



③ 'sea is deep' means 213

'sky is blue' means ~~544~~ 541

'sea looks blue' means 264

1. What the number is code for 'is'?

(A) 1

(B) 2

(C) 3

(D) 4

(E) 5

sea (is) deep  $\Rightarrow$  213

sky (is) blue  $\Rightarrow$  541

2. What code for blue?

3. What the code for 'sky'?

(A) 1

(B) 2

(C) 3

(D) 4

(E) 5

(sky) is blue  $\Rightarrow$  541

is  $\rightarrow$  Already defines 1

blue  $\rightarrow$  Already defines 4

sky  $\rightarrow$  5

4) 9.

743 means 'mangoes are good'

657 means 'Eat good food'

934 means 'mangoes are ripe'

what digit means ripe?

(A) 5

743 = mangoes are good  $\Rightarrow$  ~~7~~

(B) 4

(9) 3 4 = mangoes are ripe  $\Rightarrow$  ~~9~~ ~~3~~ ~~4~~

(C) 6

(D) 9

(E) cannot determined.

5) 461 means 'where are you'

169 means 'you are good'

8652 means 'flowers are not bad'

are  $\rightarrow$  6

you  $\rightarrow$  1

what does 59 mean?

(A) not good

(B) bad are

(C) not bad

(D) none of these.

59

5  $\rightarrow$  flowers / are / not / bad

9  $\rightarrow$  you / are / good



## substitution

method  $\left\{ \begin{array}{l} \rightarrow \text{means} \\ \rightarrow \text{called} \end{array} \right.$

Answer: Previous  
After

1. 'football' is called 'hockey'  
'hockey' is called 'badminton'  
'badminton' is called 'cricket'  
'cricket' is called 'tennis'.  
'tennis' is called 'squash'  
'squash' is called 'chess'

Then which game Sachin Tendulkar associated with.

Ans:

a) Badminton

b) squash

c) ☒ tennis

d) cricket

Sachin played cricket  
but

cricket is called  
tennis.

2. If 'GREEN' is called 'BLUE'

'BLUE' is called 'WHITE'

'WHITE' is called 'RED'

'RED' is called 'VIOLET'

What is the colour of grass?

- (a) WHITE
- (b) BLUE
- (c) VIOLET
- (d) RED.

Ans

grass colour is  
green but  
green is called  
'BLUE'

3. 'black' means 'pink' ; 'pink' means 'blue'  
'blue' means 'white' ; 'white' means 'yellow'  
'yellow' means 'red' ; 'red' means 'brown'

then what is color of clear sky?

- a) Brown
- b) Red
- (c) Blue
- (d) Pink

(e) none of these.

Ans:

colour of clear sky  
is blue.

so,

pink means blue.