Mahendra's

RBI GRADE B & ASSISTANT

Reasoning Ability

CODING DECODING

DAY 1

LIVE 10:30 AM

UPCOMING ONLINE BATCHES

January 2022

05 Jan 2022

08:00 AM to 10:00 AM
BANK ONLINE LIVE CLASS

10:30 AM to 12:30 PM
SSC ONLINE LIVE CLASS

01:00 PM to 03:00 PM
SSC ONLINE LIVE CLASS

05:30 PM to 07:30 PM
BANK ONLINE LIVE CLASS

BILINGUAL

12 Jan 2022

08:00 AM to 10:00 AM
SSC ONLINE LIVE CLASS

10:30 AM to 12:30 PM
BANK ONLINE LIVE CLASS

03:00 PM to 05:00 PM
BANK ONLINE LIVE CLASS

05:30 PM to 07:30 PM
SSC ONLINE LIVE CLASS

BILINGUAL

19 Jan 2022

08:00 AM to 10:00 AM
BANK ONLINE LIVE CLASS

01:00 PM to 03:00 PM
BANK ONLINE LIVE CLASS

03:00 PM to 05:00 PM
SSC ONLINE LIVE CLASS

07:30 PM to 09:30 PM
SSC ONLINE LIVE CLASS

BILINGUAL

27 Jan 2022

10:30 AM to 12:30 PM
BANK ONLINE LIVE CLASS

07:30 PM to 09:30 PM
BANK ONLINE LIVE CLASS

08:00 AM to 10:00 AM
SSC ONLINE LIVE CLASS

01:00 PM to 03:00 PM
SSC ONLINE LIVE CLASS

BILINGUAL

FOR MORE DISCOUNT VISIT www.mahendras.org & USE PROMO CODE : E14727

Eight persons L, M, N, O, P, Q, R and S were born in the years 1963, 1967, 1976, 1979, 1983, 1987, 1990, and 1997 not necessarily in the same order. They were born in the places Indore, Raipur, Hydrabad, Pune, Kanpur, Manipur, Vizag and Noida not necessarily in the same order. They were born on the same date i.e. on 17th October. Make the age calculations as on 17th October 2019. S was 4 years elder to the one born in Pune. The one born in Pune was born at a gap of 4 persons from P. Number of persons elder to the one born in Kanpur was one more than that of number of persons younger to R. R was 8 years elder to O. Not more than two persons were born between S and R. The one born in Raipur was born after 1983 but not on even year. N was born in Indore at a gap of 4 persons from Q. The one born in Noida was born just before M but not eldest. Nobody was born between the ones born in Vizag and Raipur. The person born in Manipur was aged 36 years old. O was not born in Raipur and L was not born in Kanpur and Manipur. The person born in Hyderabad was elder to the one born in Kanpur.

आठ व्यक्ति L, M, N, O, P, Q, R और S का जन्म वर्ष 1963, 1967, 1976, 1979, 1983, 1987, 1990 और 1997 में हुआ था, जरूरी नहीं कि इसी क्रम में हो। उनका जन्म इंदौर, रायपुर, हैदराबाद, पुणे, कानपुर, मणिपुर, विजाग और नोएडा के स्थानों में हुआ था, जरूरी नहीं कि इसी क्रम में हों। इनका जन्म एक ही तारीख यानि 17 अक्टूबर को हुआ था। 17 अक्टूबर 2019 को आयु की गणना करें। S, पुणे में पैदा हुए व्यक्ति से 4 वर्ष बड़ा था। पुणे में पैदा हुए व्यक्ति का जन्म P से 4 व्यक्तियों के अंतराल पर हुआ था।
कानपुर में पैदा हुए व्यक्ति से बड़े व्यक्तियों की संख्या R से छोटे व्यक्तियों की संख्या से एक अधिक थी। R, O से 8 वर्ष बड़ा था। S और R के बीच दो से अधिक व्यक्तियों का जन्म नहीं हुआ था। रायपुर में पैदा हुए व्यक्ति का जन्म हुआ था। 1983 के बाद लेकिन साल पर भी नहीं। N का जन्म इंदौर में Q से 4 व्यक्तियों के अंतराल पर हुआ था। नोएडा में पैदा हुए व्यक्ति का जन्म M के ठीक पहले हुआ था लेकिन सबसे बड़ा नहीं था। विजाग और रायपुर में पैदा हुए लोगों के बीच किसी का जन्म नहीं हुआ। मणिपुर में पैदा हुए व्यक्ति की उम्र 36 साल थी। O का जन्म रायपुर में नहीं हुआ था और L का जन्म कानपुर और मणिपुर में नहीं हुआ था। हैदराबाद में पैदा हुआ व्यक्ति कानपुर में पैदा हुए व्यक्ति से बड़ा था।

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Eight persons L, M, N, O, P, Q, R and S were born in the years 1963, 1967, 1976, 1979, 1983, 1987, 1990, and 1997 not necessarily in the same order. They were born in the places Indore, Raipur, Hydrabad, Pune, Kanpur, Manipur, Vizag and Noida not necessarily in the same order. They were born on the same date i.e. on 17th October. Make the age calculations as on 17th October 2019. S was 4 years elder to the one born in Pune. The one born in Pune was born at a gap of 4 persons from P. Number of persons elder to the one born in Kanpur was one more than that of number of persons younger to R. R was 8 years elder to O. Not more than two persons were born between S and R. The one born in Raipur was born after 1983 but not on even year. N was born in Indore at a gap of 4 persons from Q. The one born in Noida was born just before M but not eldest. Nobody was born between the ones born in Vizag and Raipur. The person born in Manipur was aged 36 years old. O was not born in Raipur and L was not born in Kanpur and Manipur. The person born in Hyderabad was elder to the one born in Kanpur.

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YEAR	AGE	PERSON	PLACE
1963	56	S	Hydrabad
1967	52	L	Pune
1976	43	N	Indore
1979	40	R	Noida
1983	36	M	Manipur
1987	32	O	Kanpur
1990	29	P	Vizag
1997	22	Q	Raipur

1. Who among the following person is from Pune?

(a) P
(b) Q
(c) L
(d) R
(e) O

2. Which of the following statements is true?

(a) M age is 40year
(b) N age is 52year
(c) O age is 29year
(d) Q age is 24 year
(e) L age is 52 year

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YEAR	AGE	PERSON	PLACE
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1983	36	M	Manipur
1987	32	O	Kanpur
1990	29	P	Vizag
1997	22	Q	Raipur

3. Four of the following are alike in a certain way and thus form a group. Which of the following does not belong to the group?

(a) N - Noida
(b) M - Kanpur
(c) P - Raipur
(d) S - Pune
(e) O - Noida

4. If 'Hydrabad' is related to '43' and 'Indore' is related to '36' in a certain way. Then who among the following will be related to 'Manipur'?

(a) 24
(b) 29
(c) 32
(d) 36
(e) None of them

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Study the following information to answer the given questions given below:
Symbols represent time in a clock as

 # - Either the hour or minute hand of clock on 3
$ - Either the hour or minute hand of clock on 12
% - Either the hour or minute hand of clock on 4
@ - Either the hour or minute hand of clock on 8
+ - Either the hour or minute hand of clock on 5

A train reaches station at time "$+" and If it gets late by 8 hours, then at what time the train should reach at the station?

(1)+# (2) @+ (3) @#
(4) %+ (5) +$

- Either the hour or minute hand of clock on 3
$ - Either the hour or minute hand of clock on 12
% - Either the hour or minute hand of clock on 4
@ - Either the hour or minute hand of clock on 8
+ - Either the hour or minute hand of clock on 5

A train is scheduled to leave the station at "+@". If a person has reached the station 20 minute before the train's scheduled time. At what time the person has reached the station?

(1)#@ (2) +# (3) %+
(4) +% (5) None of these

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- **In a** certain code, the symbol for **0 is** © and for **1 is** @. There are **no** other symbols for **all other** numbers greater **than** 1. The numbers greater **than 1** are to **be** written **only** by **using** the two symbols given above. The value **of the** symbol for **1** doubles
- itself every time it shifts one place to the left. Study the following examples

0 is written as ©
1 is written as @
2 is written as @©
3 is written as@@
4 is written as@©© and
so on

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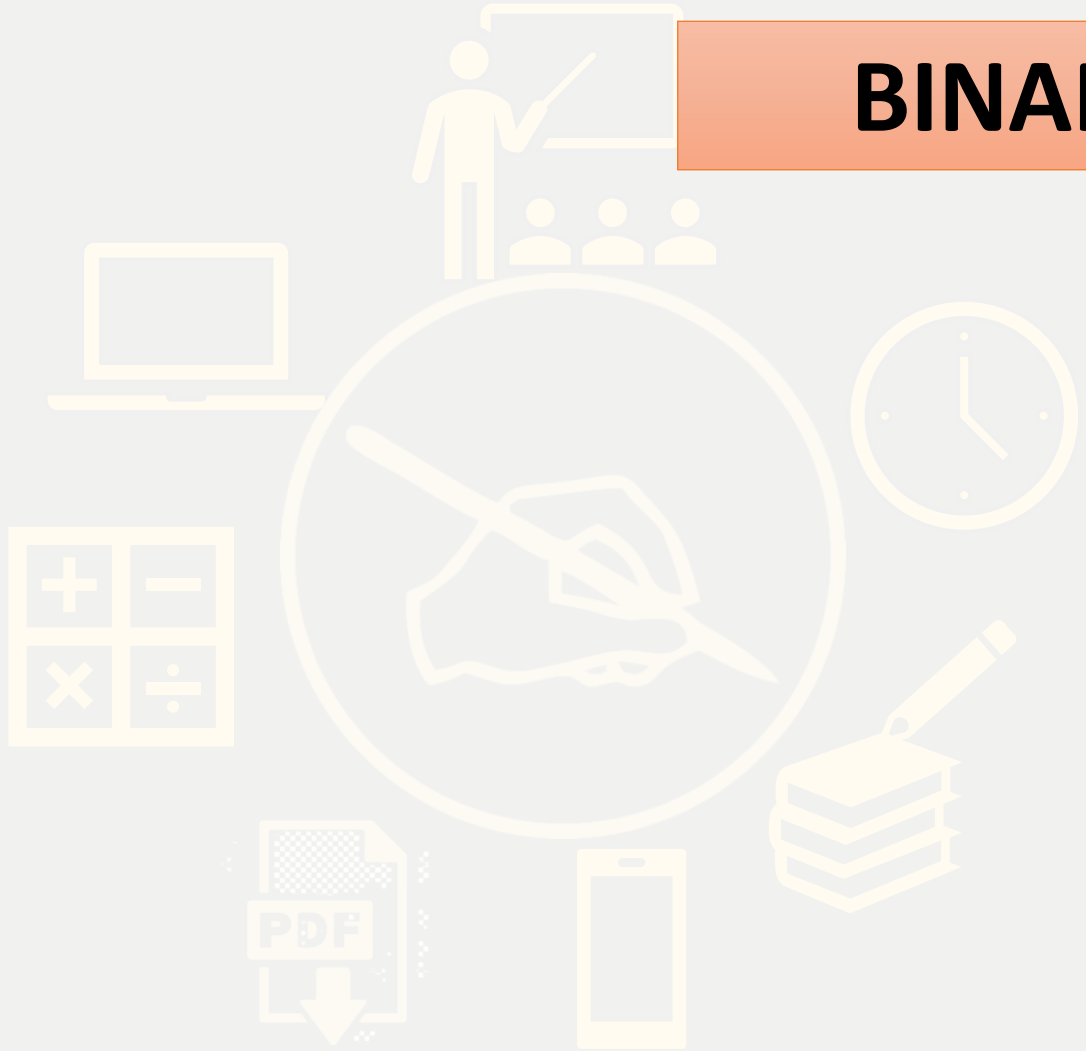
BINARY CODING



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If @@@© would be subtracted in @@@@@ then what will be the total of the digits of that resultant ?

(1)@@©

(2) @©©

(3) @@©@

(4) @©@©

(5) @©©©

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Which of the following number is written in the form @©@©@ of that code ?

(1)12
(2) 21
(3) 24
(4) 36
(5) None of these

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In a code language, **0 is written as $, 1 is written as *; similarly 2 is** coded as *$ **and** 3 **is** coded as ** and **so on…..There** are **no** symbols **for all other** Numbers more **than** one. **The** numbers greater **than** 1 are **to be written only by using the** two symbols **given** above. **The value of the** symbol **for 1** doubles itself every **time it** shifts one **place to the left.**

_____is the value when **$$$$ is divided by **.

(1) 18
(2) 14
(3) 15
(4) 16
(5) None of these

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In a certain code language,

"your usual cooperation will" is coded as "25 11 59 20"

"be highly will your" is coded as "07 42 20 25"

"solve but problem be" is coded as "19 07 36 07"

"try to solve usual" is coded as "18 08 19 11“

What is the code for "solve moving here"?

(1)27 08 35

(2) 27 25 35

(3) 19 08 27

(4) 19 35 27

(5) 19 27 11

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In coded language

"tradition festival iconic" is coded as – '8X 9J 6XJ'

"aesthetic recreate vibe" is coded as – '8E 9VJ 4W'

"creative emerging shine" is coded as – '8NO 5K 8C'

6) What can be the code of 'during autumn'?

a. 6M 7FN

b. 6M 6FN

c. 6K 6FN

d. 6K 6EM

e. None of these

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8) What can be the code of 'Vibrant Ocean'?

a. 5XB 7J

b. 5XB 7K

c. 5XZ 7M

d. 5YB 7K

e. None of these

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9) What can be the code of 'Ideal Journey'?

a. 5WC 7T

b. 5FB 7T

c. 5WC 7V

d. 5FB 7V

e. 5WB 7T

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"START HER FOOD IN" is coded as "I#8 V#19 L@21 R@18".

"THE HUMAN MAKE PRODUCTION" is coded as "S#7 Z#19 P@14 L@11".

"HAIR RETURNED VICTORY SILENCE" is coded as "R@19 V@9 I#5 X#8".

11) What is the possible code for 'HANDSOME' in the given code language?

a. N@19

b. M#8

c. N#19

d. M@8

e. None of these

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12) What may be the possible code for 'EXCLUDING' in the given code language?

a. M#19

b. M#18

c. M@18

d. N#18

e. None of these

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13) What may be the possible code for 'ONWARD' in the given code language?

a. I#12

b. M#23

c. I@12

d. I@15

e. None of these

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14) What is the code for 'RETURNED' in the given code language?

a. R@19

b. V@9

c. I#5

d. X#8

e. None of these

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15) What is the code for 'PRODUCTION' in the given code language?

a. S#7

b. Z#19

c. P@14

d. L@11

e. None of these

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In a certain code language

'garden tangle soaps paper' is written as '@E6 &R5 %N6 #S5'.

'great teeth solution paste' is written as '#N8 @H5 %T5 &E5'.

'super pink gold theory' is written as '#R5 %D4 @Y6 &K4'.

'glory soup poem tongue' is written as '&M4 #P4 %Y5 @E6'.

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17) In the given code language, what does the code "%T5" means?

a. Teeth

b. Theory

c. Tongue

d. Great

e. Paste

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18) Which of the following is code for "tongue soaps"?

a. %E6, #S5

b. @E6, &S5

c. @E6, #S5

d. #E6, @S5

e. @F, #T5

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19) Which of the following is code for "gold"?

a. #R5

b. %D4

c. @Y6

d. &K4

e. None of these

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In a certain code language

'Pollution is root of everything' is written as 'G&10 S^2 F)2 T*4 N?9'.

'Ramesh have everything he wants' is written as 'H%6 G&10 E#4 E#2 S!5 '.

'This tree have long root' is written as 'E~4 S@4 E#4 T*4 G|4'.

'Ramesh have short hair' is written as 'E#4 T$5 H%6 R#4'.

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21) What is the code for "hair"?

a. E#4

b. E^4

c. R#4

d. R@4

e. R!4

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22) What is the code for "everything"?

a. G&10

b. G%10

c. E#10

d. E&10

e. N@10

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24) What is the code for "'Ramesh"?

a. E#4

b. T$5

c. H%6

d. R#4

e. None of these

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25) What is the code for "Pollution"?

a. G&10

b. S^2

c. F)2

d. T*4

e. N?9

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Let us understand the logic behind the given coding decoding

Case-1: If the first letter of the code is consonant-

a. Second last letter of the word changed to second preceding letter of the opposite letter.

b. Number – Total number of letters in the word.

For Ex- FESTIVAL -8X

Case-2: If the first letter of the code is vowel.

a. Second letter of the word changed to opposite letter of the same.

b. Second last letter of the word changed to next letter of the same.

c. Number – Total number of letters in the word.

For Ex- iconic- 6XJ

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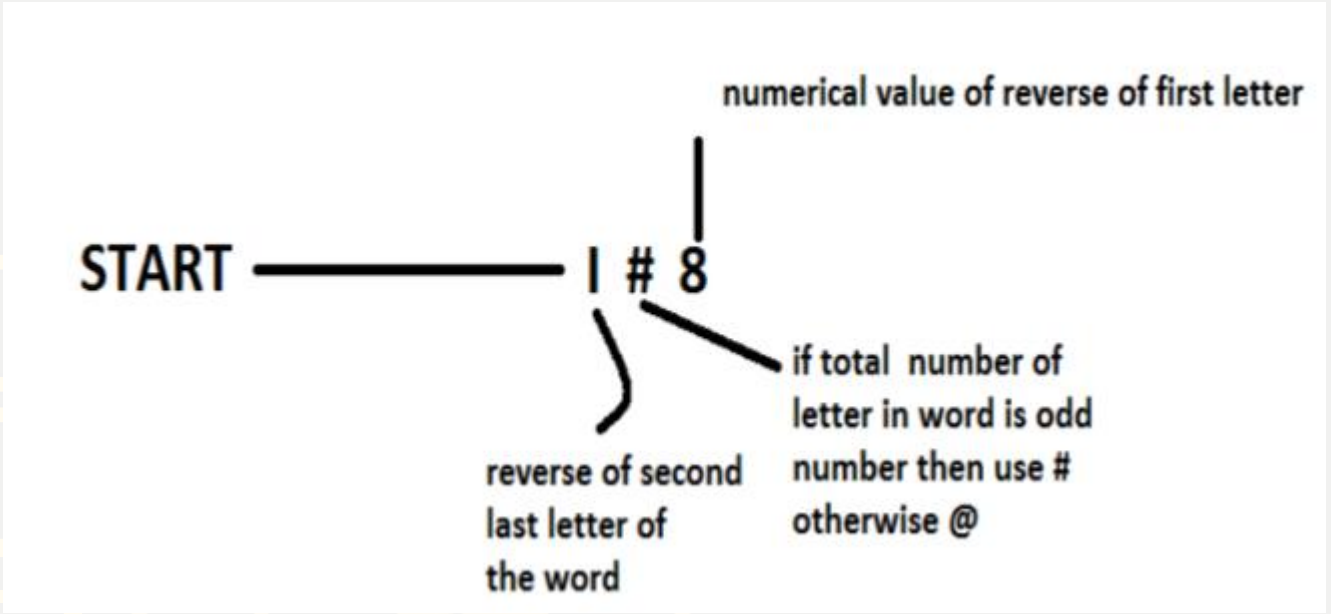

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Solution (16-20):

1. 1st element is symbol that represents first letter of word.

2. 2nd element is letter that represent last letter of word.

3. 3rd element is number that represents number of letter in word.

Ex: &K4 for "pink",

K is the last letter in the word pink.

4 is number of letters in word.

& is the symbol that represent first letter of word "pink" which is "p".

#N8 for "solution",

N is the last letter in the word plan.

8 is number of letters in word.

is the symbol that represent first letter of word "solution" which is "s"

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Solution (21-25):

1) 1st element is letter that represents last letter of word.

2) 3nd element is number that represents number of letter in word.

3) 2rd element is the symbol that represents the first letter of the word.

Ex: G&10 for "everything".

G is the last letter in the word plan.

10 is number of letters in word.

& is the symbol that represent first letter of word "everything" which is "e".