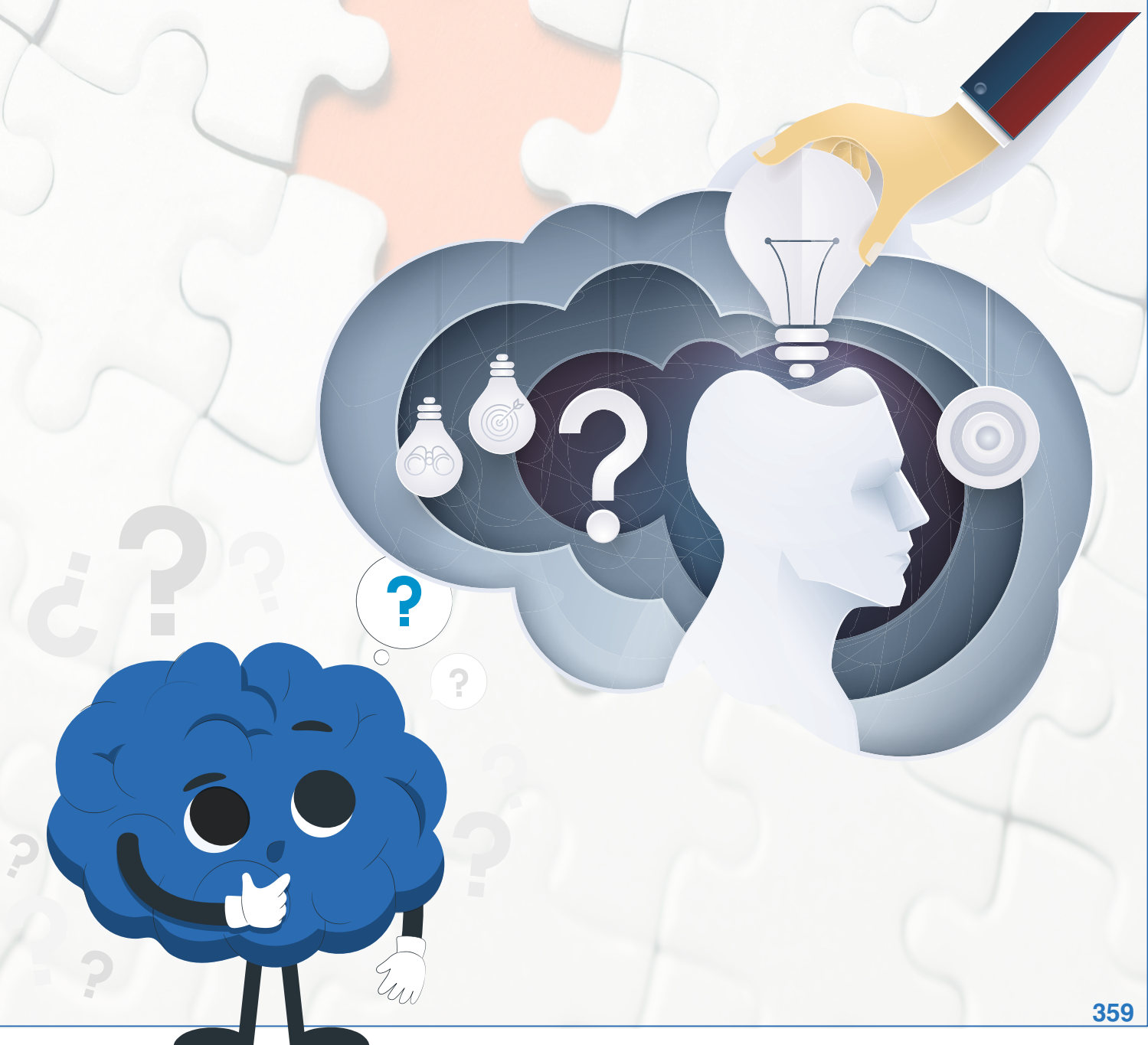


LOGICAL REASONING

CA VINOD REDDY



4 chapters in LR (20 marks)

- ① Number series, coding, decoding & odd man out
- ② Direction Tests
- ③ Seating arrangements
- ④ Blood Relations

Number series, coding, decoding & odd man out

① 1, 5, 11, 19, 29, ?



1

$$1 + 4 = 5$$

$$5 + 6 = 11$$

$$11 + 8 = 19$$

$$19 + 10 = 29$$

$$29 + 12 = 41$$

Answer : 41

② 2, 5, 10, 17, 26, ?

$$2 + 3 = 5$$

$$5 + 5 = 10$$

$$10 + 7 = 17$$

$$17 + 9 = 26$$

$$26 + 11 = 37$$

OR

$$1^2 + 1 = 2$$

$$2^2 + 1 = 5$$

$$3^2 + 1 = 10$$

$$4^2 + 1 = 17$$

$$5^2 + 1 = 26$$

$$6^2 + 1 = 37$$

Answer : 37



CA
VINODREDDY

③ 2, 5, 16, 65, 326, ?

$$\begin{aligned} \Rightarrow 2 \times 2 + 1 &= 5 \\ 5 \times 3 + 1 &= 16 \\ 16 \times 4 + 1 &= 65 \\ 65 \times 5 + 1 &= 326 \\ 326 \times 6 + 1 &= \boxed{1957} \end{aligned}$$

Answer: 1957

④ 1, 1, 4, 8, 9, 27, 16, 64, x, y

$$\begin{aligned} \Rightarrow 1^2, 1^3, 2^2, 2^3, 3^2, 3^3, 4^2, 4^3, 5^2, 5^3 \\ \therefore x = 5^2 = 25 \\ y = 5^3 = 125 \end{aligned}$$

⑤ 2, 4, 12, 16, 80, 86, ?

$$\begin{aligned} \Rightarrow 2 + 2 &= 4 \\ 4 \times 3 &= 12 \\ 12 + 4 &= 16 \\ 16 \times 5 &= 80 \\ 80 + 6 &= 86 \\ 86 \times 7 &= \boxed{602} \end{aligned}$$

⑥ 2, 3, 6, 18, 108, 1944, ?

$$\begin{aligned} 2 \times 3 &= 6 \\ 3 \times 6 &= 18 \\ 6 \times 18 &= 108 \\ 18 \times 108 &= 1944 \\ 108 \times 1944 &= \boxed{2,09,952} \end{aligned}$$

⑦ 200, 210, 206, 226, 222, 252, ?

$$\begin{aligned} \Rightarrow & \begin{array}{ccccccc} \text{200} & \text{210} & \text{206} & \text{226} & \text{222} & \text{252} & ? \\ \uparrow & \uparrow & \uparrow & \uparrow & \uparrow & \uparrow & \\ +10 & -4 & +20 & -4 & +30 & -4 & \end{array} \end{aligned}$$

⑧ 2, 12, 36, 80, 150, ?

$$\begin{aligned}\Rightarrow 1^2 + 1^3 &= 2 \\ 2^2 + 2^3 &= 12 \\ 3^2 + 3^3 &= 36 \\ 4^2 + 4^3 &= 80 \\ 5^2 + 5^3 &= 150 \\ 6^2 + 6^3 &= \boxed{252} \leftarrow \text{Answer}\end{aligned}$$

⑨ 2, 3, 10, 15, 26, 35, ?

$$\begin{aligned}\Rightarrow 1^2 + 1 &= 2 \\ 2^2 - 1 &= 3 \\ 3^2 + 1 &= 10 \\ 4^2 - 1 &= 15 \\ 5^2 + 1 &= 26 \\ 6^2 - 1 &= 35 \\ 7^2 + 1 &= \boxed{50} \leftarrow \text{Answer}\end{aligned}$$

⑩ 11, 12, 24, 26, 78, ?

$$\begin{aligned}\Rightarrow 11 + 1 &= 12 \\ 12 \times 2 &= 24 \\ 24 + 2 &= 26 \\ 26 \times 3 &= 78 \\ 78 + 3 &= \boxed{81} \text{ : Answer}\end{aligned}$$

⑪ 2, 3, 5, 7, 11, 13, 17, ?

\Rightarrow series of prime numbers
Next prime number : 19



⑫

coded as

VINOD \Rightarrow WJOPE

PUNE \Rightarrow QVOF

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
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
26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1

⑬

If PEN is coded as 35 then

PENCIL will be coded as:

$$\Rightarrow \text{PEN} \Rightarrow 16 + 5 + 14 = 35$$

$$\text{PENCIL} \Rightarrow 16 + 5 + 14 + 3 + 9 + 12 = 59$$

⑭

If WATCH is coded as DZGX S

then MOBILE will be coded as

$$\Rightarrow \text{WATCH} \Rightarrow \begin{matrix} D & Z & G & X & S \\ 23 & 1 & 20 & 3 & 8 \end{matrix}$$

$$\text{MOBILE} \Rightarrow \text{NLYROV}$$

13 15 2 9 12 5

⑮

If BOTTLE is coded as

CQWXQK then Book is

coded as:

$$\Rightarrow \begin{array}{lll} B + 1 & C & B \\ O + 2 & Q & O \\ T + 3 & W & O \\ T + 4 & X & K \\ L + 5 & Q & \\ E + 6 & K & \end{array}$$

coded

CQRO



①⑥ April, May, September, June

Find odd man out



April = 30

May = 31

sept = 30

June = 30

∴ May is odd man out

①⑦

23, 17, 41, 49



49 : As it is only composite number

①⑧

pencil, pen, Book, Bike ⇒ odd man out



CA
VINODREDDY

Lined area for writing notes.



1. Series is classified into

✓ A. Number Series.

B. Alphabet Series.

C. Letter Series.

2. 2, 7, 16, ?, 46, 67, 92

~~a. 29~~

b. 31

c. 41

d. None



$$2 + 5 = 7$$

$$7 + 9 = 16$$

$$16 + 13 = 29$$

$$29 + 17 = 46$$

$$46 + 21 = 67$$

$$67 + 25 = 92$$

3. 2, 5, 10, 17, ?, 37

a. 30

b. 21

c. 25

~~d. 26~~

$$2 + 3 = 5$$

$$5 + 5 = 10$$

$$10 + 7 = 17$$

$$17 + 9 = 26$$

$$26 + 11 = 37$$

(OR)

$$1^2 + 1 = 2$$

$$2^2 + 1 = 5$$

$$3^2 + 1 = 10$$

$$4^2 + 1 = 17$$

$$5^2 + 1 = 26$$

$$6^2 + 1 = 37$$

4. 1, 1, 4, 8, 9, 27, 16, ?

a. 32

b. 48

~~c. 64~~

d. 50

$$1^2, 1^3, 2^2, 2^3, 3^2, 3^3, 4^2, 4^3 = 64$$

5. 120, 99, 80, 63, ?

~~a. 48~~

b. 40

c. 30

d. None

$$11^2 - 1 = 120$$

$$10^2 - 1 = 99$$

$$9^2 - 1 = 80$$

$$8^2 - 1 = 63$$

$$7^2 - 1 = 48$$

6. 10, 11, 22, 23, 46, 47, 94, 95

a. 96

b. 110

~~c. 190~~

d. 180

$$10 + 1 = 11$$

$$11 \times 2 = 22$$

$$22 + 1 = 23$$

$$23 \times 2 = 46$$

$$46 + 1 = 47$$

$$47 \times 2 = 94$$

$$94 + 1 = 95$$

$$95 \times 2 = 190$$

7. 1000, 500, 250, 125, ?

a. 69

b. 25

c. 60

~~d. 62.5~~

$$1000 \times \frac{1}{2} = 500$$

$$500 \times \frac{1}{2} = 250$$

$$250 \times \frac{1}{2} = 125$$

$$125 \times \frac{1}{2} = 62.50$$

8. 6, 11, 17, 24, 32, ?

~~a. 41~~

b. 40

c. 64

d. None of these

$$6 + 5 = 11$$

$$17 + 7 = 24$$

$$32 + 9 = 41$$

$$11 + 6 = 17$$

$$24 + 8 = 32$$

9. 1, 9, 25, 49, 81, ?

a. 169

~~b. 121~~

c. 225

d. 289

$$1^2, 3^2, 5^2, 7^2, 9^2, 11^2 = 121$$

10. 10, 12, 36, 38, 114, 116, 348, ?

~~a. 350~~

b. 1050

c. 1044

d. None of these

$$10 + 2 = 12$$

$$36 + 2 = 38$$

$$114 + 2 = 116$$

$$348 + 2 = 350$$

$$12 \times 3 = 36$$

$$38 \times 3 = 114$$

$$116 \times 3 = 348$$

11. 5760, 960, 192, ?, 16, 8

~~a. 48~~

b. 64

c. 384

d. None of these

$$5760 \div 6 = 960$$

$$192 \div 4 = 48$$

$$16 \div 2 = 8$$

$$960 \div 5 = 192$$

$$48 \div 3 = 16$$

12. 5, 25, 36, 6, 8, 64, 625, ?

~~a. 25~~

b. 390625

c. 125

d. 5

$$5, 5^2$$

$$36, \sqrt{36}$$

$$8, 8^2$$

$$625, \sqrt{625}$$

13. 2, 3, 5, 7, 11, 13, ?

a. 19

~~b. 17~~

c. 15

d. 21

Series of prime numbers
 \therefore next prime number is: 17

My Notes :

14.

Coding

Letter Coding

Number Coding

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
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
26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1

15. If MENTION is coded as NFOUJPO then EXPERT will be coded as -

M E N T I O N

plus : 1

N F O U J P O

E X P E R T

plus : 1

F Y Q F S U

16. If VINOD is coded as WHONE then SUSHEEL will be coded as -

V I N O D

+1 -1 +1 -1 +1

W H O N E

S U S H E E L

+1 -1 +1 -1 +1 -1 +

T T T G F D M

17. If TAP is coded as QBU then GREEN will be coded as -

T A P

Reverse

P A T

plus 1 Q B U

G R E E N

Reverse

N E E R G

plus 1

O F F S H

18. If MOBILE is coded as NQEMQK then ASHWAT will be coded as -

M O B I L E

+1 +2 +3 +4 +5 +6

N Q E M Q K

A S H W A T

+1 +2 +3 +4 +5 +6

B U K A F Z

19. If MAT is coded as 34 then PILLAR will be coded as -

MAT = 13 + 1 + 20 = 34

It is sum of Letter numbers

PILLAR = 16 + 9 + 12 + 12 + 1 + 18 = 68

20. Find the odd man out -

i. January, May, December, April : April : It is the only month of 30 days

ii. 10, 14, 16, 28, 17, 30, 38, 42 : 17, it is the only odd number

iii. 25, 49, 35, 81, 121, 64, 4 : 35, it is only number which is not a perfect square.

iv. 78, 91, 26, 52, 130, 117, 82, 143, 39 : 82, It is the only number which is not perfect divisible by 13

v. 1, 64, 27, 16, 125, 343 :

16, It is only number which is not a perfect cube

vi. Physics, Biology, Chemistry, Accounts

Accounts, only subject from commerce Stream.

vii. Book, Pen, Pencil, Bike

Bike, It is only object doesn't belong to Educational stationery.

21. Find the odd man out - 49, 39, 36, 225

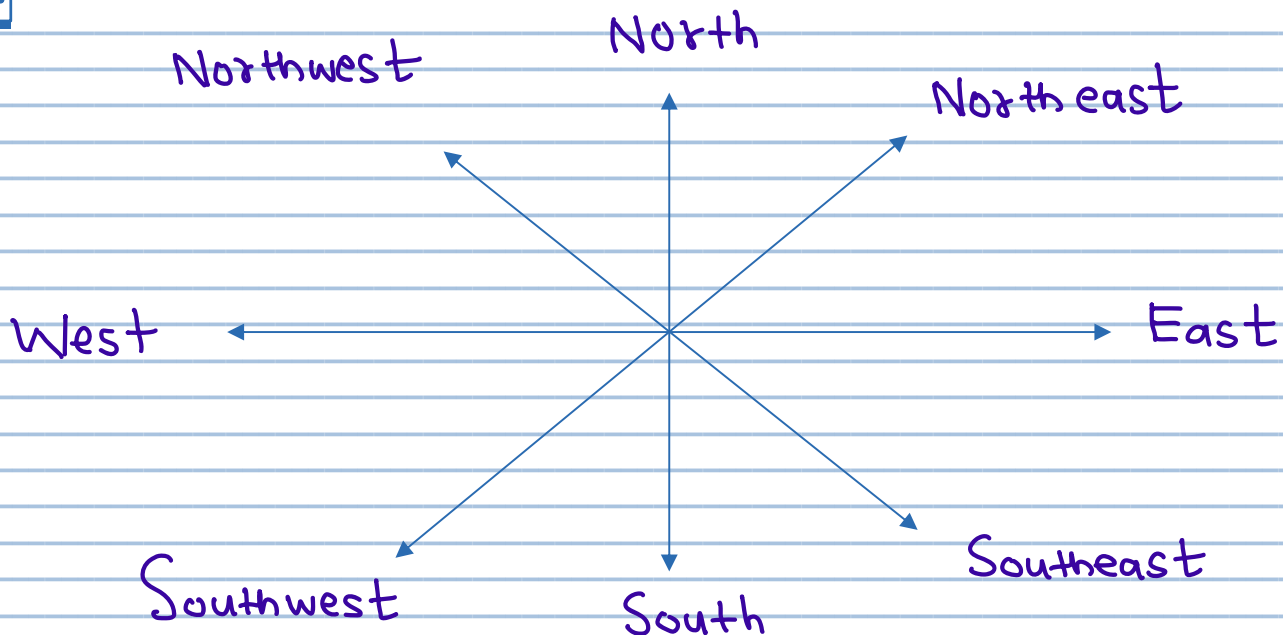
39 : only number which is not a perfect square.

225 : only 3 digit number.

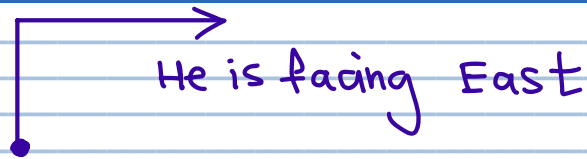
36 : only even number

49 : only number non-divisible by 3

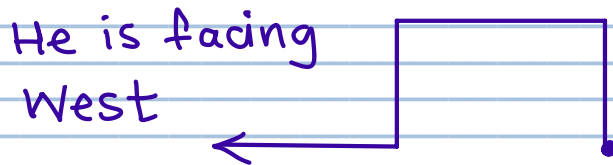
22.



23. North then right



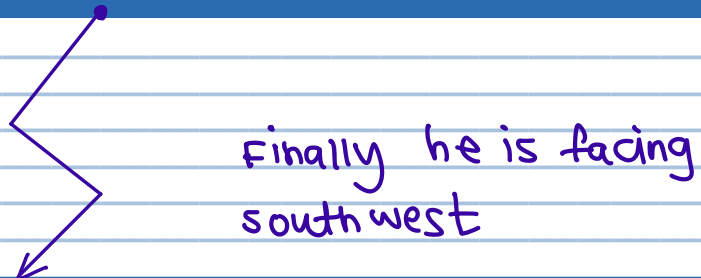
24. North left then left then right



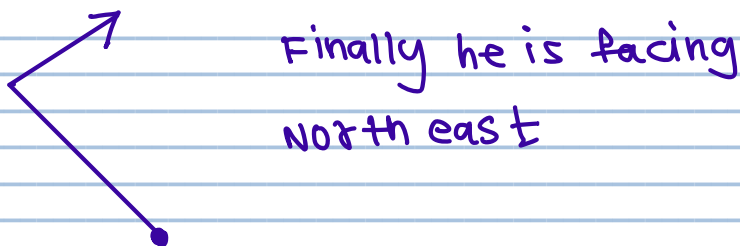
25. West then left then right



26. Southwest then left then right



27. Northwest then right



28. Seating arrangements are classified into

- i) Linear arrangements (A Line)
- ii) circular arrangements
- iii) polygonic arrangements

29.

P Q R S T facing north

Who are to the left of R : P, Q

Who is to the immediate left of S : R

Who is to the immediate right of P : Q

30.

A B C D E F facing south

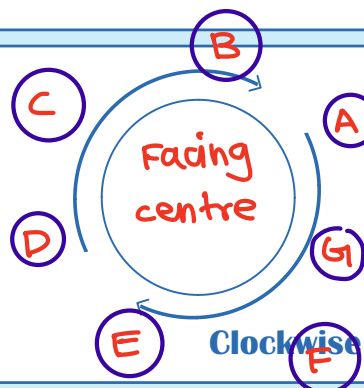
Who is to the right of A : No one

Who is to the left of B : C, D, E, F

Who is to the immediate right of C : B

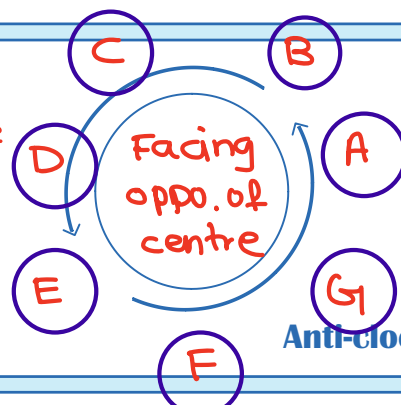
Who is to the immediate left of E : F

31.



Right : Anticlockwise
Left : clockwise

Dining Table

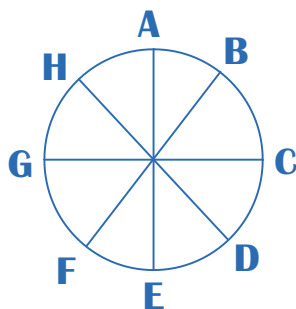


Facing oppo. of centre

Right : clockwise

Left : Anticlockwise

32.



If A, B, C, D, E, F, G, H are facing centre, then

A facing South

B : south west

C : west

D : North west

E : North

F : North east

G : East

H : southeast

My Notes :

33.

1. Father's Father : Grand father
2. Father's Mother : Grand mother
3. Father's Brother : uncle
4. Father's Sister : Aunt
5. Children of Uncle : cousins
6. Wife of Uncle : Aunt
7. Children of Aunt : cousins
8. Husband of Aunt : uncle
9. Mother's Father : Maternal Grand father
10. Mother's Mother : Maternal Grand mother
11. Mother's Brother : Maternal uncle
12. Mother's Sister : Aunt
13. Children of Maternal Uncle : cousins
14. Wife of Maternal Uncle : Aunt
15. Grandfather's Son : Father OR uncle
16. Grandfather's Only son : Father
17. Mother or Father's Mother : Grand mother
18. Grandmother's Mother : Great Grandmother
19. Grandmother's Father : Great Grandfather
20. Grandson's Daughter : Great Grand daughter
21. Grandson's Son : Great Grandson
22. Grand-daughter's Son : Great Grandson
23. Grand-daughter's Daughter : Great Granddaughter
24. Daughter's Husband : Son in Law
25. Son's Wife : Daughter in Law
26. Husband's Father : Father in Law
27. Husband's Mother : Mother in Law
28. Wife's Brother : Brother in Law
29. Wife's Sister : sister in Law
30. Wife's Father : Father in Law
31. Wife's Mother : Mother in Law
32. Brother's Son : Nephew
33. Brother's Daughter : Niece
34. Sister's Son : Nephew
35. Sister's Daughter : Niece
36. Brother's Wife : sister in Law
37. Sister's Husband : Brother in Law
38. My father's son is my : Brother
39. My father's daughter is my : Sister
40. My father's father is my : Grand father

41. My mother's brother is my **uncle**
 42. My daughter's husband is my **son in law**
 43. My son's wife is my **daughter in law**
 44. My Brother's wife is my **sister in law**
 45. My brother's daughter is my **Niece**
 46. My brother's son is my **Nephew**
 47. My wife's father is my **Father in law**
 48. My wife's mother is my **Mother in law**
 49. My wife's sister is my **Sister in law**
 50. My wife's brother is my **Brother in law**
 51. My father's wife is my **Mother**
 52. My mother's husband is my **Father**
 53. My son's daughter is my **Grand daughter**
 54. My daughter's son is my **Grandson**

34. 6, 11, 21, 36, 56, ?

a. 42

b. 51

~~c. 81~~

d. 91



$$6 + 5 = 11$$

$$36 + 20 = 56$$

$$11 + 10 = 21$$

$$56 + 25 = 81$$

$$21 + 15 = 36$$

35. 10, 100, 200, 310, ?

a. 400

b. 410

c. 420

~~d. 430~~

$$10 + 90 = 100$$

$$310 + 120 = 430$$

$$100 + 100 = 200$$

$$200 + 110 = 310$$

36. 11, 13, 17, 19, 23, 25, ?

a. 27

~~b. 29~~

c. 31

d. None of these

$$11 + 2 = 13$$

$$17 + 2 = 19$$

$$23 + 2 = 25$$

$$13 + 4 = 17$$

$$19 + 4 = 23$$

$$25 + 4 = 29$$

37. 6, 12, 21, 33, ?

a. 36

b. 39

c. 45

~~d. 48~~

$$6 + 6 = 12$$

$$21 + 12 = 33$$

$$12 + 9 = 21$$

$$33 + 15 = 48$$

38. 2, 5, 9, 14, ?, 27

~~a. 20~~

b. 16

c. 18

d. None of these

$$2 + 3 = 5$$

$$5 + 4 = 9$$

$$9 + 5 = 14$$

$$14 + 6 = 20$$

$$20 + 7 = 27$$

39. 11, 21, ?, 56, 81

a. 42

~~b. 36~~

c. 91

d. 51

$$11 + 10 = 21$$

$$36 + 20 = 56$$

$$21 + 15 = 36$$

$$56 + 25 = 81$$

40. 10, 18, 28, 40, 54, ?, 88

~~a. 70~~

b. 86

c. 72

d. 80

$$10 + 8 = 18$$

$$28 + 12 = 40$$

$$54 + 16 = 70$$

$$18 + 10 = 28$$

$$40 + 14 = 54$$

$$70 + 18 = 88$$

41. 195, 168, 143, 120, ?, 80

a. 100

~~b. 99~~

c. 105

d. None of these

$$14^2 - 1 = 195$$

$$12^2 - 1 = 143$$

$$10^2 - 1 = 99$$

$$13^2 - 1 = 168$$

$$11^2 - 1 = 120$$

$$9^2 - 1 = 80$$

42. 8, 10, 40, 42, 168, 170, 680, 682, ?

a. 684

b. 1528

~~c. 2728~~

d. None of these

$$8 + 2 = 10$$

$$40 + 2 = 42$$

$$168 + 2 = 170$$

$$680 + 2 = 682$$

$$10 \times 4 = 40$$

$$42 \times 4 = 168$$

$$170 \times 4 = 680$$

$$682 \times 4 = 2728$$

43. 28, 33, 31, 36, 34, ?

a. 38

~~b. 39~~

c. 42

d. None of these

$$28 + 5 = 33$$

$$31 + 5 = 36$$

$$34 + 5 = 39$$

$$33 - 2 = 31$$

$$36 - 2 = 34$$

My Notes :

44. 5760, 960, 192, ?, 16, 8

a. 96

~~b. 48~~

c. 32

d. None of these

$$5760 \div 6 = 960$$

$$192 \div 4 = 48$$

$$16 \div 2 = 8$$

$$960 \div 5 = 192$$

$$48 \div 3 = 16$$

45. 2, 3, 3, 5, 10, 13, 39, 43, ?, 177

a. 46

~~b. 172~~

c. 48

d. None of these

$$2 + 1 = 3$$

$$3 + 2 = 5$$

$$10 + 3 = 13$$

$$39 + 4 = 43$$

$$172 + 5 = 177$$

$$3 \times 1 = 3$$

$$5 \times 2 = 10$$

$$13 \times 3 = 39$$

$$43 \times 4 = 172$$

46. If RAMAN is written as 12325 and DINESH is written as 675489, How HAMAM is written?

~~a. 92323~~

b. 92233

c. 93292

d. None of these

R A M A N

D I N E S H

H A M A M

1 2 3 2 5

6 7 5 4 8 9

9 2 3 2 3

47. If RED is coded as 6720 then GREEN would be coded as

a. 9207716

b. 167129

~~c. 1677209~~

d. 1672091

RED

GREEN

Reverse DER

Reverse

NEER G

Letter NO. 4 5 18

Letter NO. 14 5 5 18 7

(+2)

6 7 20

code: 16 77 20 9

48. If BROTHER is coded as 2456784, SISTER is coded as 919684, what is coded as BORBERS?

~~a. 2542849~~

b. 2542898

c. 2454889

d. 2524889

B R O T H E R

S I S T E R

2 4 5 6 7 8 4

9 1 9 6 8 4

B O R B E R S → coded as →

2542849

49. If DELHI is coded as 73541 & CALCUTTA as 82589662, How is CALCUT coded?

a. 5279431

b. 5978213

~~c. 8251896~~

d. 8543962

DELHI

CALCUTTA

CALICUT

7 3 5 4 1

8 2 5 8 9 6 6 2

8 2 5 1 8 9 6

50. If CLOCK is coded as 34235 and TIME as 8679, what will be the code for MOTEL?

~~a. 72894~~ b. 77684 c. 72964 d. 27894

⇒ C L O C K T I M E M O T E L

3 4 2 3 5 8 6 7 9 7 2 8 9 4

51. In a certain code NAME is written as 4258 then what would be the code for MEAN?

a. 2458 b. 5842 c. 8524 ~~d. 5824~~

N A M E M E A N

4 2 5 8 5 8 2 4

52. If GOLD is written as IQNF then WIND would be coded as

a. VHMC ~~b. YKPF~~ c. XJOE d. DNIW

G O L D W I N D

+2 +2 +2 +2 +2 +2 +2 +2

I Q N F Y K P F

53. If ROSE is written as TQUG, How BISCUIT can be written in that code

~~a. DKUEWKV~~ b. CJTDVJU c. DKVEWKV d. DKUEWKY

R O S E B I S C U I T

+2 +2 +2 +2 +2 +2 +2 +2 +2 +2 +2

T Q U G D K U E W K V

54. If DELHI is coded as CCIDD then How would you code BOMBAY?

a. AJMTVT ~~b. AMJXVS~~ c. MJXVSU d. None of these

D E L H I B O M B A Y

-1 -2 -3 -4 -5 -1 -2 -3 -4 -5 -6

C C I D D A M J X V S

55. If PALAM is given with a code number of 43 then, what will be the code number for SANTACRUZ?

~~a. 123~~ b. 85 c. 120 d. 125

P A L A M = 16 + 1 + 12 + 1 + 13 = 43

S A N T A C R U Z = 19 + 1 + 14 + 20 + 1 + 3 + 18 + 21 + 26 = 123

56. If 256 means you are good
637 means we are bad
358 means good and bad
which of the following represents 'and' in that code

- a. 2 b. 5 ~~c. 8~~ d. 3

6 : are 3 : bad
5 : good 7 : we
2 : you 8 : and

57. Find odd man out from : Avni, Ishani, Esha, Usha, Veena

- a. Veena b. Esha c. Usha d. Avni

Veena : only word starting with consonant.

58. Find the odd man out from : 64, 32, 512, 243, 1024, 8, 2048

- a. 2048 ~~b. 243~~ c. 64 d. 8

243 : It is only odd number

59. Find the odd man out from AB, MN, YZ, VU

- a. AB b. MN c. YZ d. VU

VU : only pair reverse in sequence

60. If A = 1, PAT = 37, then TAP =

- a. 73 ~~b. 37~~ c. 36 d. 38

PAT = 16 + 1 + 20 = 37 TAP = 20 + 1 + 16 = 37

61. If D = 4, BAD = 7, then what is the value of ANT?

- a. 8 b. 17 ~~c. 35~~ d. 37

BAD = 2 + 1 + 4 = 7

ANT = 1 + 14 + 20 = 35

62. If MATHEMATICS = 12345123678, then MAHATMA = ?

~~a. 1242312~~ b. 12345123 c. 12345678 d. 12425341

M A T H E M A T I C S M A H A T M A
 1 2 3 4 5 1 2 3 6 7 8 1 2 4 2 3 1 2

63. If D = 4, COVER = 63, then BASIS = ?

a. 55 ~~b. 50~~ c. 49 d. 54

C O V E R = 3 + 15 + 22 + 5 + 18 = 63
 B A S I S = 2 + 1 + 19 + 9 + 19 = 50

64. If HKUJ means FISH, what does UVCD means?

a. STAR ~~b. STAB~~ c. STAL d. None of the these

H K U J U V C D
 -2 -2 -2 -2 -2 -2 -2 -2
 F I S H S T A B

65. If NOIDA is written as STNIF, How MEERUT can be written in that code?

a. QIIVYX b. RJJWZV ~~c. RJJWZY~~ d. RIIVYX

N O I D A M E E R U T
 +5 +5 +5 +5 +5 +5 +5 +5 +5 +5 +5
 S T N I F R J J W Z Y

66. If 'BEQUICK' is coded as ZCOSGAI then INDIAN is coded as

B E Q U I C K I N D I A N
 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2
 Z C O S G A I G L B G Y L

67. If RAMAYANA is coded as PYKYWYLY then MAHABHARATA can be written in that code as

R A M A Y A N A M A H A B H A R A T A
 -2 -2 -2 -2 -2 -2 -2 minus : 2
 P Y K Y W Y L Y K Y F Y Z F Y P Y R Y

My Notes :

68. In a certain code HYDROGEN is coded as JCJZYSSD then how can ANTIMONY be coded?

H	Y	D	R	O	G	E	N	A	N	T	I	M	O	N	Y
+2	+4	+6	+8	+10	+12	+14	+16	+2	+4	+6	+8	+10	+12	+14	+16
J	C	J	Z	Y	S	S	D	C	R	Z	Q	W	A	B	O

69. In certain language PLAYER is coded as QNDCJX then how SINGER will be coded in that language

P	L	A	Y	E	R	S	I	N	G	E	R
+1	+2	+3	+4	+5	+6	+1	+2	+3	+4	+5	+6
Q	N	D	C	J	X	T	K	Q	K	J	X

70. In certain code MONKEY is written as XDJMNL. How TIGER is written in that code?

M	O	N	K	E	Y	T	I	G	E	R
Reverse						Reverse				
Y	E	K	N	O	M	R	E	G	I	T
-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
X	D	J	M	N	L	Q	D	F	H	S

71. If BAT can be written as DCV, then MAN can be written as

B	A	T	M	A	N
+2	+2	+2	+2	+2	+2
D	C	V	O	C	P

72. If CAT can be written as CNANT, then GOD can be written as

C	A	T	G	O	D	'N' is inserted after first 2 letters each			
C	N	A	N	T	G		N	O	N

73. If SIR can be written as PSPIPR, then MAN can be written as

S	I	R	M	A	N	'p' is inserted before every letter					
P	S	P	I	P	R		P	M	P	A	P

74. If TIMBER is written as BERMIT then how would BANTER be written in that code

T I M B E R B A N T E R
 ↓
 B E R M I T T E R N A B
 Reverse

75. In a certain code COURSE is written as ESRUOC. How BREATH can be written in the same code

C O U R S E B R E A T H
 Reverse
 E S R U O C H T A E R B

76. In a certain code 493 means 'Friendship difficult challenge'; 961 means 'Struggle difficult exam'; 178 means 'Exam believable subject', then which digit is used for believable?

- a. 7 b. 8 ~~c. a or b~~ d. None of these

9 : difficult 1
 1 : Exam exam 7 8
 Believable subject

77. Vehicle is coded as Book, Book as Flower, Flower as House, House as Calculator. then where is the treasure of huge amount of knowledge hidden?

- a. Book b. Calculator ~~c. Flower~~ d. Vehicle

knowledge is hidden : Book
 but Book is coded as Flower

78. If TALENT is written as LATENT then how would EXOTIC be written in that code?

- a. EXOTIC ~~b. OXETIC~~ c. TICOXE d. None of these

T A L E N T E X O T I C
 ↓
 L A T E N T O X E T I C
 Reverse

My Notes :

79. In a certain language NOITCELES represents SELECTION then AIDNI represents-

a. AIDS

b. HINDI

~~c. INDIA~~

d. None

NOITCELES
Reverse in order
→ SELECTION

AIDNI
represents
→ INDIA

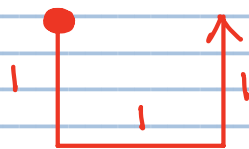
80. Mohan starts walking from point A & 1 km towards south, turns left and walks 1 km. Then he turns left and again walks 1 km. Now he is facing ...

a. East

b. West

c. South

~~d. North~~



Finally Mohan is facing North

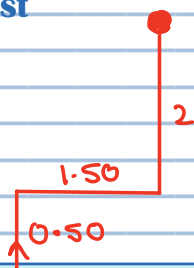
81. Suresh starts from a point walks 2 miles towards south, turns right and walks $1\frac{1}{2}$ miles, turns left and walks $\frac{1}{2}$ miles and then he turns back. What direction is he facing now?

a. East

b. West

c. South

~~d. North~~



Finally suresh is facing North

My Notes :

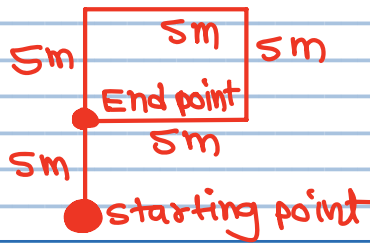
82. A man facing East, then he turns left and goes 10 m, then he turns right and goes 5 m then goes 5 m to the south and from there 5 m to the west. In which direction he is from original place?

a. East

b. West

c. South

~~d. North~~



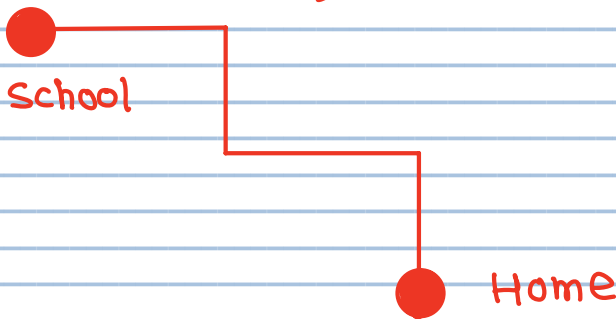
83. From her home Avni Reddy wishes to go to school. From home she goes towards north & then turns left & then turns right and finally she turns left and reaches school. In what direction her school is situated with respect to her home?

a. North-East

~~b. North-West~~

c. South-East

d. South-West



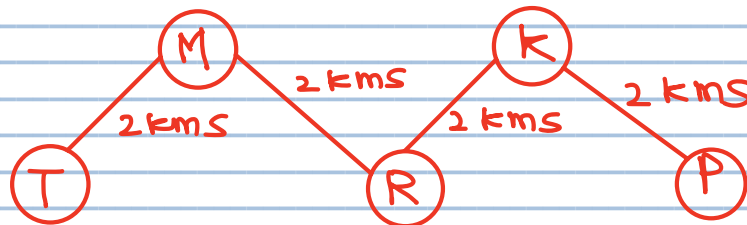
84. K is a place which is located 2 kms away in north-west direction from the capital P. R is another place that is located 2 kms away in south-west direction from K. M is another place that is located 2 kms away in north-west direction from R. T is another place that is located 2 kms away in south-west direction from M. In which direction T is located in relation to P.

a. South-West

b. North-West

~~c. West~~

d. North



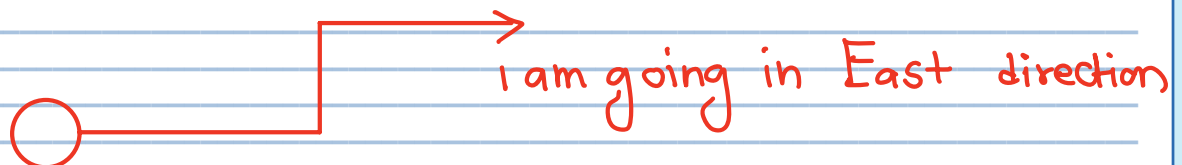
85. I started walking down a road in the morning facing sun. After walking for sometime I turned to my left then I turned to my right. In which direction was I going then?

~~a. East~~

b. West

c. North

d. South



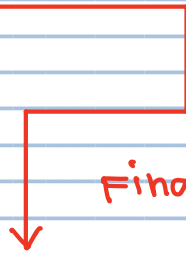
86. You are going straight, first eastwards then turn to the right, then right again, then left. In which direction would you be going now?

a. East

b. West

~~c. South~~

d. North



Finally you are going in south direction

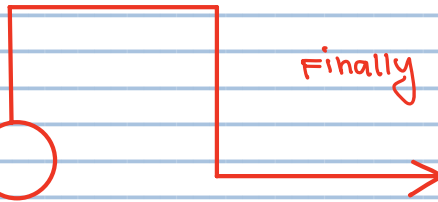
87. You go North, turn right, then right again, & then go to the left. Which direction are you facing now?

~~a. East~~

b. West

c. South

d. North



Finally you are going in East direction

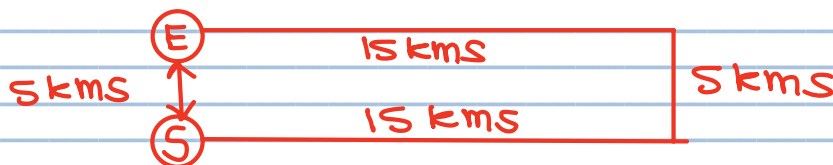
88. Ashwat Reddy traveled 15 kms eastwards, then turned left and travelled 5 kms then turned left and travelled 15 kms. How far is he from starting point?

a. 30 kms

b. 35 kms

c. 15 kms

~~d. 5 kms~~



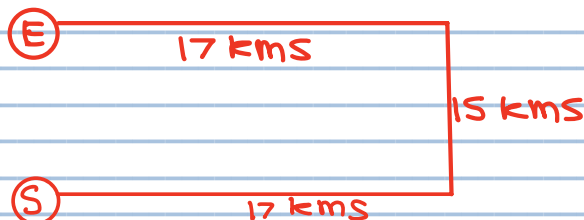
89. Hari travelled 17 kms to the east, he turned left and went 15 kms, he again turned left and went 17 kms. How far is he from starting point?

a. 17 kms

b. 2 kms

~~c. 15 kms~~

d. 32 kms



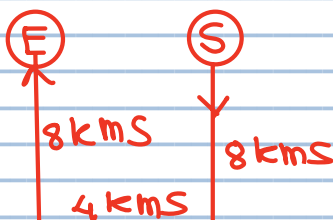
90. Sudha travels 8 kms to the south, then she turns to the right and walks 4 kms. Then again she turns to her right and moves 8 kms forward. How many kms away is she from starting point?

a. 7 kms

b. 6 kms

~~c. 4 kms~~

d. 8 kms



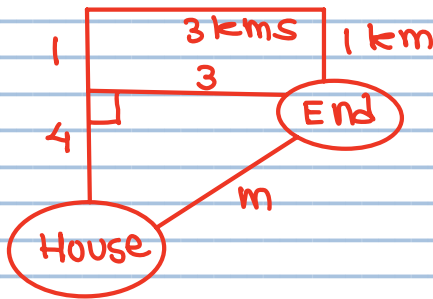
91. From my house I walked 5 kms towards North. I turned right and walked 3 kms. Again I went 1 km to the south. How far am I from my house?

a. 7 kms

b. 6 kms

c. 4 kms

~~d. 5 kms~~



$$m^2 = 4^2 + 3^2 = 16 + 9 = 25$$

$$m = \sqrt{4^2 + 3^2} = 5 \text{ kms}$$

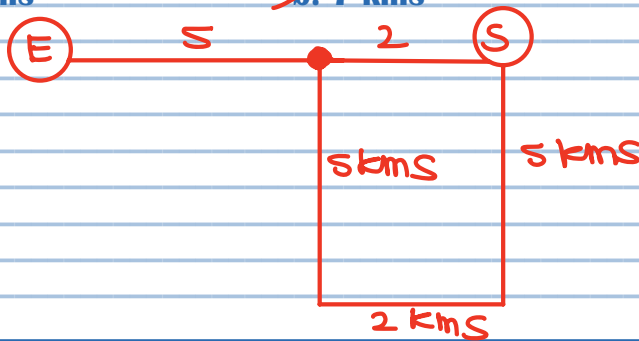
92. Rama left home and walked 5 kms southwards. turned right and walked 2 kms and turned right and walked 5 kms and turned left and walked 5 kms. How many kilometers will she have to walk to reach her home straight?

a. 5 kms

~~b. 7 kms~~

c. 17 kms

d. 15 kms



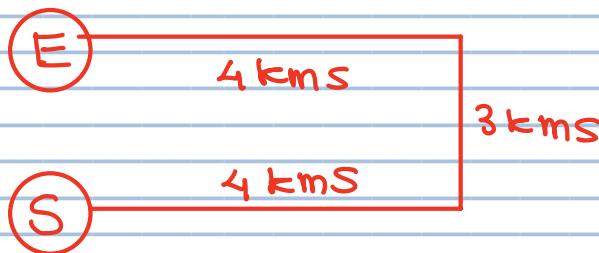
93. Facing the East Gopi walks straight 4 kms, turns left and walks 3 kms and again turns left and walked 4 kms. How far is he now from the starting point?

a. 2 kms

~~b. 3 kms~~

c. 10 kms

d. 11 kms



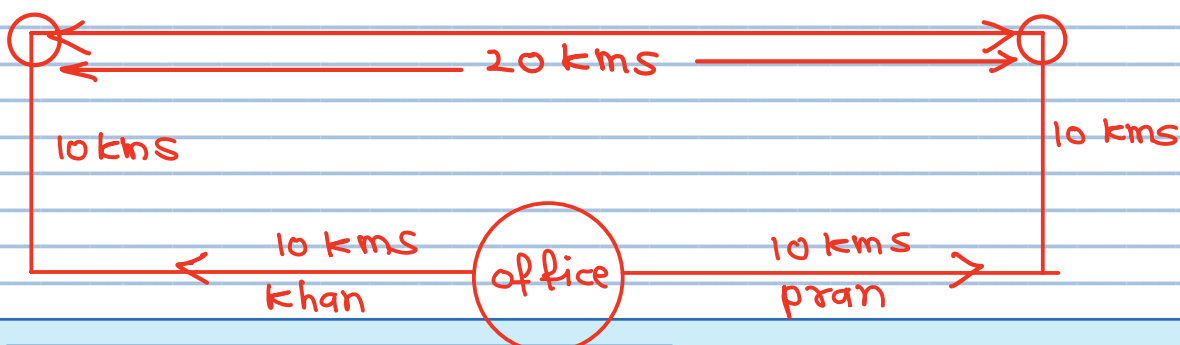
94. Pran and Khan start from their office and walk in opposite direction each travelling 10 kms. Pran then turns left and walks 10 kms while Khan turns right and walks 10 kms. How far are they from each other?

a. 0 kms

b. 5 kms

c. 10 kms

~~d. 20 kms~~



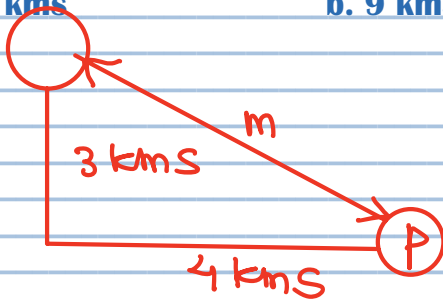
95. A starts walking from a point 'P'. A goes westward and covers a distance of 4 kms and then turns to his right and walks 3 kms. How far 'A' is from starting point.

a. 7 kms

b. 9 kms

c. 2 kms

~~d. 5 kms~~



$$m^2 = 3^2 + 4^2$$

$$m = \sqrt{25} = 5 \text{ kms}$$

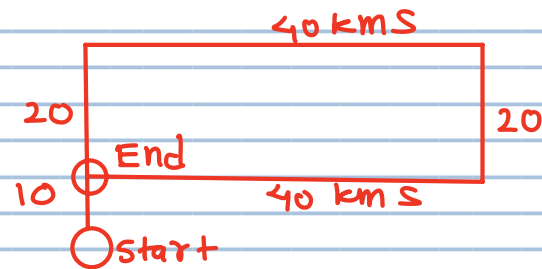
96. A cyclist goes 30 kms to North and turning to the East he goes 40 kms. Again he turns to his right and goes 20 kms. After this he turns to his right and goes 40 kms. How far is he from his starting point?

a. 20 kms

~~b. 10 kms~~

c. 25 kms

d. 40 kms



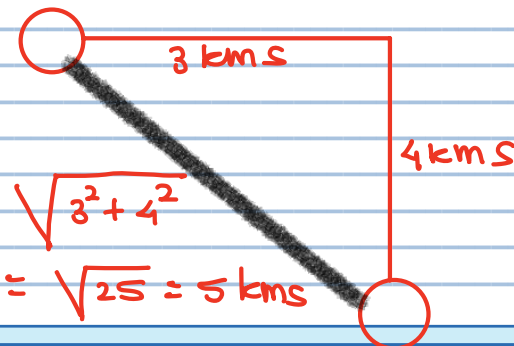
97. A man travels 3 kms in the East and turns to south and moves 4 kms. How far is he from starting point?

~~a. 5 kms~~

b. 6 kms

c. 2 kms

d. 10 kms



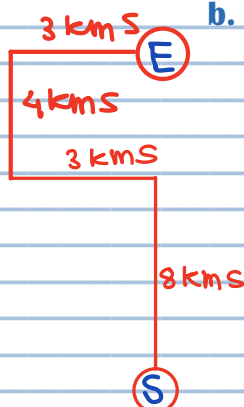
98. Dhrish travels 8 kms towards the North, turns left and travels 3 kms and then again turns right and covers another 4 kms then turns right and travels another 3 kms. How far is he from starting point?

a. 18 kms

b. 11 kms

~~c. 12 kms~~

d. 15 kms



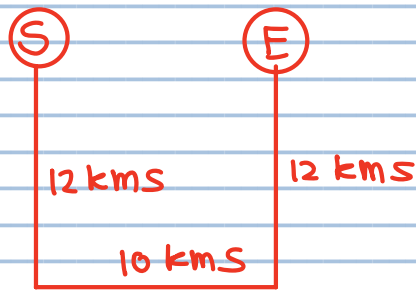
99. Mitan travelled 12 kms southwards and turned left and travelled 10 kms, then turned left and travelled 12 kms. How far was Mitan from starting point?

a. 8 kms

~~b. 10 kms~~

c. 12 kms

d. 14 kms



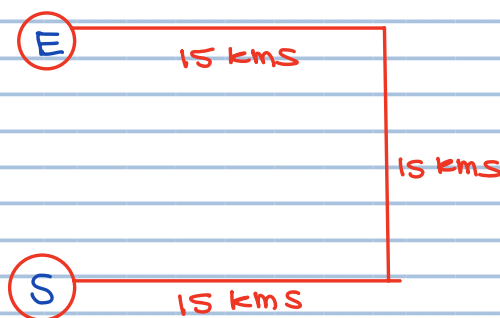
100. Ashwat travelled 15 kms towards East then turned towards North and travelled 15 kms and turned west & travelled 15 kms. How far is he from starting point?

~~a. 15 kms~~

b. 30 kms

c. 45 kms

d. zero kms



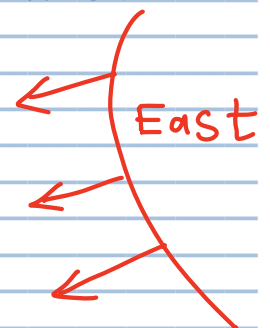
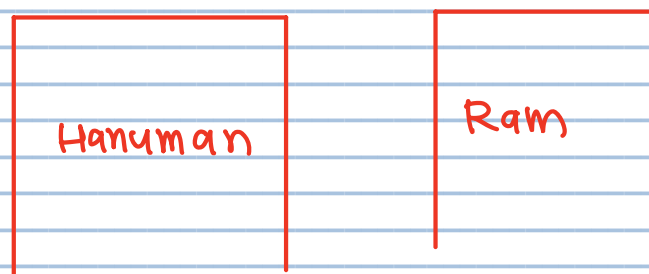
101. Daily in the morning the shadow of Ram temple falls on Hanuman temple, and in the evening shadow of Hanuman temple falls on Ram temple. In which direction Hanuman temple is from Ram temple?

a. East

~~b. West~~

c. South

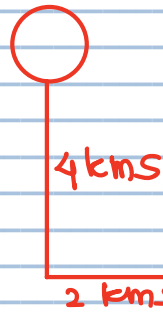
d. North



My Notes :

102. A man on a moped starts from a point and rides 4 kms south then turns left and rides 2 kms and turns again to the right to ride to go more. In which direction is he moving now?

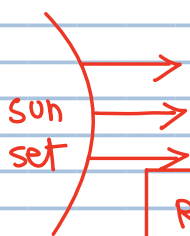
- a. East b. West ~~c. South~~ d. North



He is finally moving in South direction

103. If Ashwat sees rising sun behind the temple and setting sun behind railway station from his house. What direction of temple from railway station?

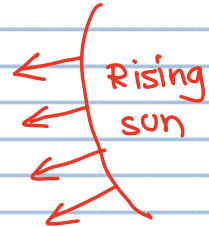
- ~~a. East~~ b. West c. South d. North



Rail way station

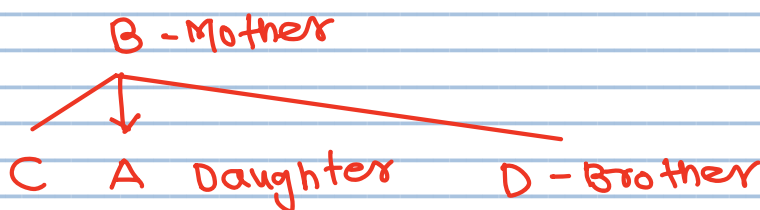
Ashwat

Temple



104. A is B's daughter. B is C's mother. D is C's brother. How is D related to A?

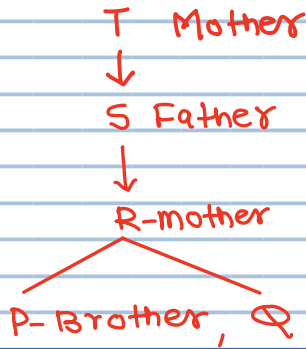
- a. Father b. Grandfather c. Brother d. Son



My Notes :

105. P is Q's brother. R is Q's mother. S is R's father. T is S's mother. How is P related to T?

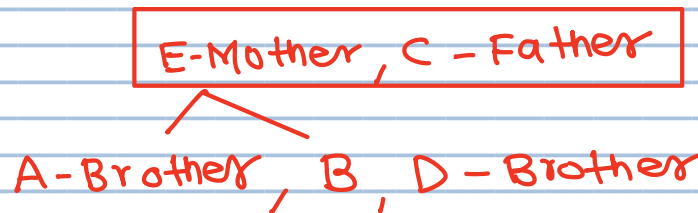
- a. Grand-daughter ~~b. Great grandson~~ c. Grandson d. Grandmother



p is Great grandson for T

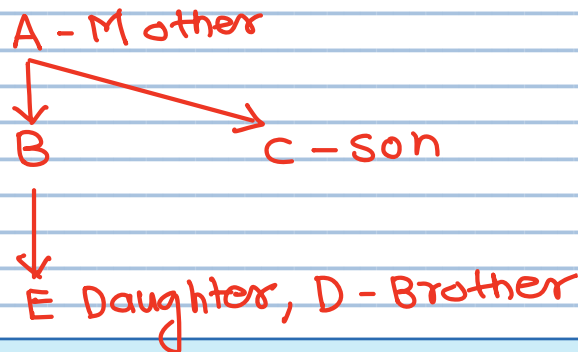
106. A is B's brother. C is D's father. E is B's mother A & D are brothers. How is E related to C?

- a. Sister b. Sister in law c. Niece d. Wife



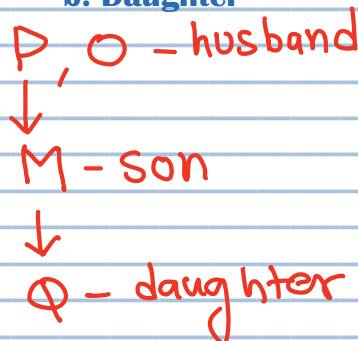
107. Given that A is mother of B, C is son of A, D is brother of E, E is daughter of B, who is the grandmother of D?

- ~~a. A~~ b. B c. C d. D



108. M is the son of P. Q is grand daughter of O who is husband of P. How is M related to O?

- ~~a. Son~~ b. Daughter c. Mother d. Father



'M' is son of 'O'

109. A is B's sister . C is B's mother. D is C's father. E is D's mother. How is A related to D?

a. Grandmother

b. Grandfather

c. Daughter

~~d. Grand-daughter~~

E - Mother
↓
D - Father
↓
C - Mother
↓
A - sister, B

A is Grand daughter
for D

110. A is father B & C, B is son of A. But C is not son of A. How is C related to A?

a. Niece

b. Son-in-law

~~c. Daughter~~

d. Grandson

A - Father
└───┬───
Son - B C - Daughter

111. A is father B , C is daughter of B, D is brother of B. E is son of A. What is relationship between C and E?

a. Brother & sister

b. Cousins

~~c. Niece & uncle~~

d. Uncle & Aunt

A - Father
↓
E - son, B, D Brother
↓
C - Daughter

112. If P is husband of Q and R is mother of S & Q. What is R to P?

a. Mother

b. Sister

c. Aunt

~~d. Mother in law~~

R - mother
↓
husband P, Q - wife, S - Q's Brother/sister
'R' is Mother in Law for 'P'

113. X is husband of Y. W is daughter of X. Z is husband of W. N is daughter of Z. What is the relation of N to Y?

- a. Cousin b. Niece c. Daughter ~~d. Grand-daughter~~

X husband, Y - wife

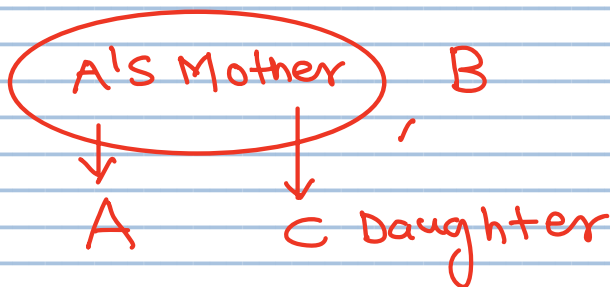
W - daughter, Z husband

N - daughter

N is Grand daughter of Y.

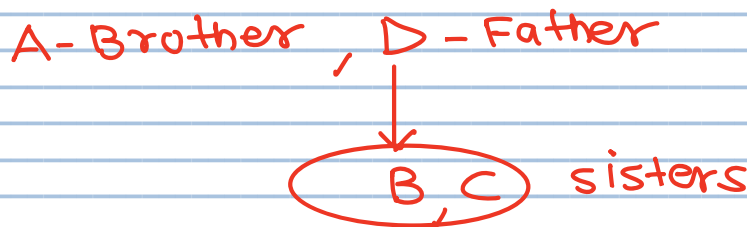
114. A's mother is sister of B and she has daughter C who is 21 years old. How is B related to C?

- a. Niece ~~b. Maternal Uncle~~ c. Daughter d. Uncle



115. A is D's brother. D is B's father. B & C are sisters. How is C related to A?

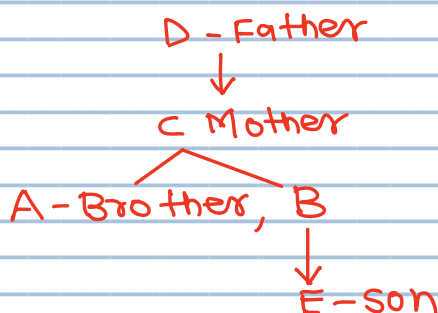
- a. Cousin ~~b. Niece~~ c. Aunt d. Nephew



C is Niece for A

116. A is B's brother, C is A's mother. D is C's father, E is B's son. How is E related to A?

- a. Cousin ~~b. Nephew~~ c. Uncle d. Grandson



E is Nephew of A

117. A and B are brothers. E is daughter of F. F is wife of B. What is relationship of E to A?

a. Sister

b. Daughter

~~c. Niece~~

d. Sister-in-law

Brothers A, B husband, F wife
 ↓
 E Daughter
 E is Niece for A

118. M and F are a married couple. A and B are sisters. A is sister of F. Who is B to M?

~~a. Sister-in-law~~

b. Sister

c. Mother

d. Niece

Married couple (M, F) → sisters A, B
 B is sister in Law for M

119. Q is son of P. X is daughter of Q. R is aunty (Bua) of X and L is son of R, then what is L to P?

~~a. Grandson~~

b. Granddaughter

c. Daughter

d. Nephew

P
 ↓
 Q-son, R-Aunty
 ↓ ↓
 X-daughter L-son
 L is Grandson of P

120. Rajiv is brother of Atul. Sonia is sister of Sunil. Atul is son of Sonia. How is Rajiv related to Sonia?

a. Nephew

~~b. Son~~

c. Brother

d. Father

Sonia, Sunil
 ↙ ↘
 Rajiv, Atul Brother
 Rajiv is son for Sonia

121. There are 2 film stars, one is father of other's son. what is relation of two with each other?

a. Grandfather-Grandson

b. Grandfather-son

~~c. Husband-Wife~~

d. Father & Son

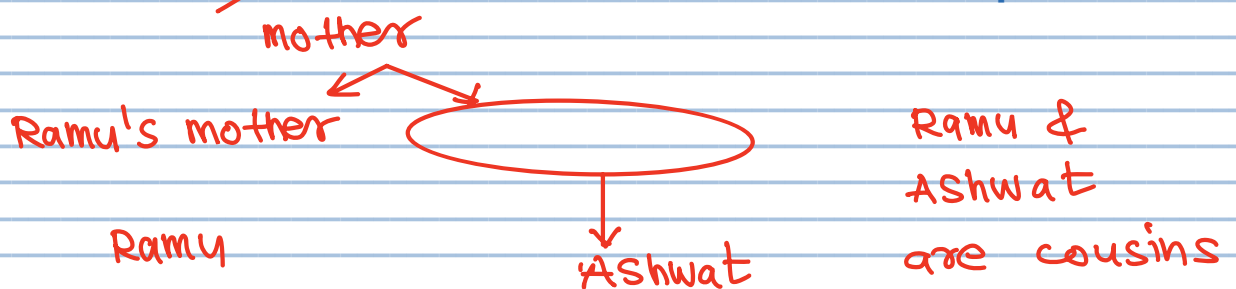
122. Ramu's mother said to Ramu : "My mother has a son whose son is Ashwat". How is Ashwat related to Ramu?

a. Uncle

~~b. Cousin~~

c. Brother

d. Nephew



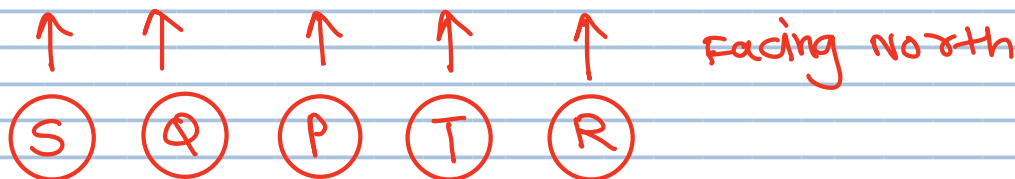
123. There are 5 houses P,Q,R,S,T. P is right of Q and T is left of R and right of P. Q is right of S. Which house is in the middle?

~~a. P~~

b. Q

c. R

d. T



124. Five friends are sitting on bench. A is to the left of B but on the right of C, D is to the right of B but on the left of E. Who are at the extremes?

a. A,B

b. A,D

~~c. C,E~~

d. B,D

Handwritten arrangement: C A B D E

125.

In a college party, 5 girls are sitting in a row. P is to the left of M and to the right of O. R is sitting to the right of N but to the left of O, who is sitting in the middle?

~~a. O~~

b. R

c. P

d. M

N R O P M

126.

5 boys A,B,C,D,E are standing in a row. D is to the right of E, B is on the left of E but on the right of A. D is to the left of C, who is standing on extreme right. Who is standing in the middle?

a. B

b. C

c. D

~~d. E~~

A B E D C

127.

4 Ladies A,B,C,D and 4 gentlemen E,F,G,H are sitting in a circle around a table facing each other - I. No 2 ladies or gentlemen are sitting side by side

II. C who is sitting between G, E facing D

III. F is between D and A and facing G

IV. H is to the right of B

Qs. 1 Who is sitting to the left of A?

a. E

~~b. F~~

c. G

d. H

Qs. 2 E is facing whom?

a. F

b. B

c. G

~~d. H~~

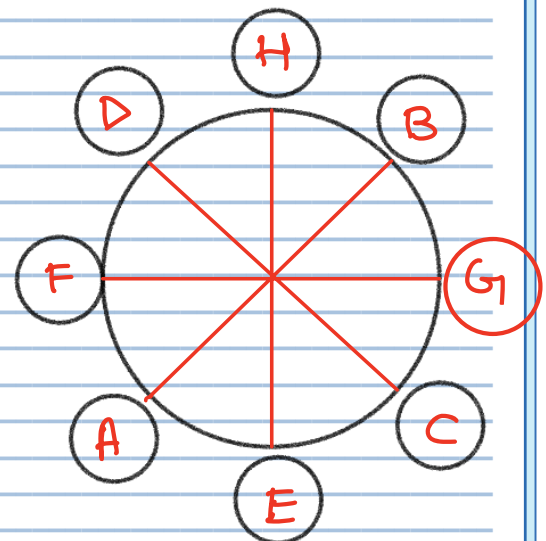
Qs. 3 Who are immediate neighbours of A?

a. G,H

~~b. E,F~~

c. E,H

d. F,H



128.

P to W are sitting in front of one another in two rows. Each row has 4 persons. P is between U and V and facing North. Q, who is immediate left of S is facing W. R is between T and S and W is to the immediate right of V.

Qs. 1 Who is sitting in front of R?

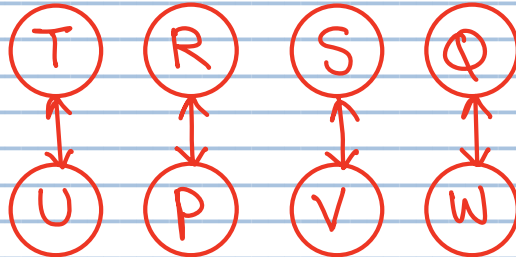
- a. U b. Q c. V ~~d. P~~

Qs. 2 Who is to the immediate right of R?

- a. S b. U ~~c. T~~ d. None of these

Qs. 3 In which of the following pairs, persons are sitting in front of each other?

- ~~a. S,V~~ b. R,V c. T,V d. U,R



129.

A to H are seated in a straight line facing North. C sits 4th left of G. D sits second right of G. Only 2 people sit between D and A. B and F are immediate neighbour of each other. B is not immediate neighbour of A. H is not neighbour of D.

a. Who among the following sits third to the right of C?

- a. B b. F ~~c. A~~ d. E

b. Which of the following represents persons seated at 2 extreme ends of line?

- a. C,D b. A,B c. B,G ~~d. D,H~~

c. What is position of H with respect to F?

- ~~a. 3rd to left~~ b. immediate right c. 2nd to right d. 4th to left

d. How many persons are seated between A & E?

- ~~a. 1~~ b. 2 c. 3 d. 4



130.

Given that A is mother of B. C is son of A. D is brother of E. E is daughter of B. Who is grandmother of D?

- ~~a. A~~ b. B c. C d. D

A - Mother



E Daughter, D Brother

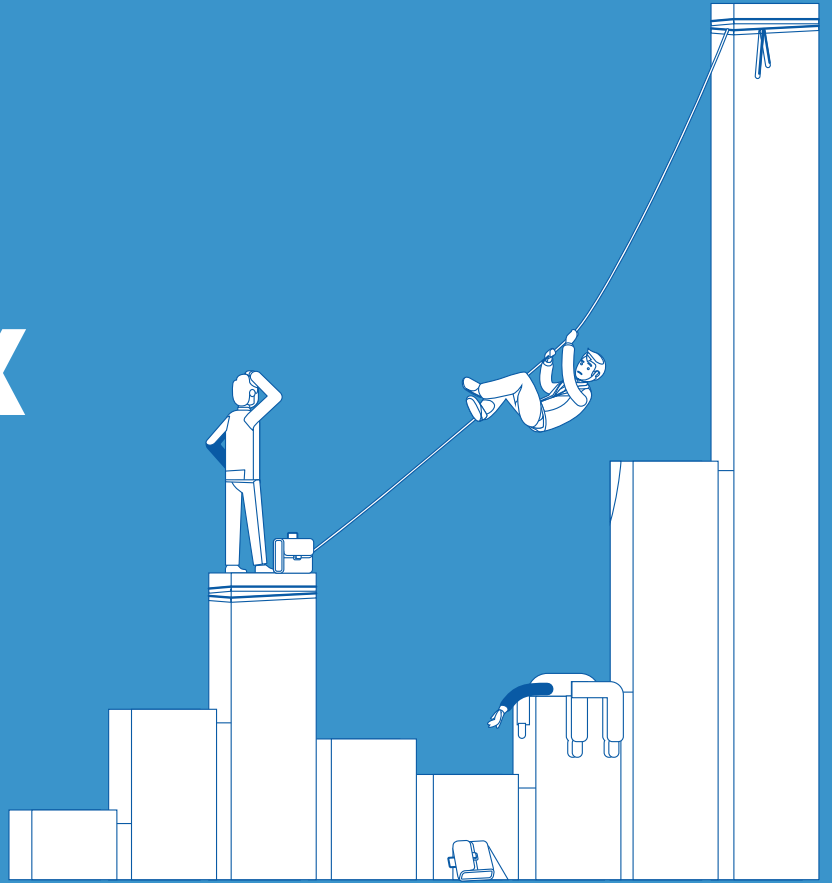
Lined area for writing notes.



Lined area for writing notes.



We FALL
●
We BREAK
●
We FAIL



BUT THEN
We RISE ★
We HEAL ★
We OVERCOME ★

CA VINOD REDDY

What makes life so difficult?

‘PEOPLE’



*All things are difficult
before they are
EASY*

- CA VINOD REDDY -



*CLASSY is when you have
a lot to say
but you CHOOSE to remain
SILENT in front of fools*



CA VINOD REDDY

People don't care for you,
when you are alone
They just care for you
when they are alone!

**WE ARE NOT OUR BEST
intentions,
WE ARE WHAT WE
DO!**



CA VINOD REDDY

**No matter where you
are in life,
GOD always has
more in store.
He never wants you to
stop growing**



FORM IS TEMPORARY CLASS IS PERMANENT

CA VINOD REDDY

Your .I CAN is
more important than
your I.Q

