



Deepak Tirthyani

India's No. 1 Reasoning Teacher



Reasoning by Deepak sir

SOLUTIONS **Mock Test (71 to 75)**

- More than 7 Year Teaching Experience in SSC, Railway and Banking Exams.
- Currently Teaching in Unacademy, Wifistudy YouTube Channel.
- More than 500 Million+ Views on Youtube and Unacademy Videos
- More than 300 times in you tube Trending videos.
- Best Faculty Award in 2019-20.
- Given Highest Number of selections in SSC, Railway and Bank Exam Pan India.
- Qualified IBPS PO, SBI PO, in 2016-17.
- More than 1500+ videos on YouTube.

Reasoning in My Blood

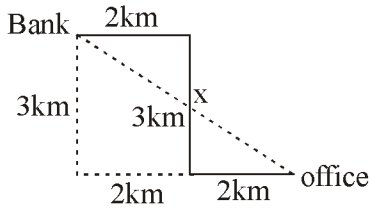
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71
Mock Test

SOLUTION



1. (D)

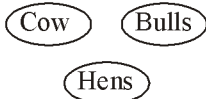


$$x = \sqrt{(14)^2 + (13)^2}$$

$$x = \sqrt{16 + 4}$$

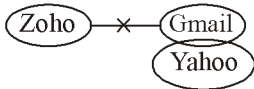
$$x = \sqrt{25}$$

$$x = 5$$



2. (D)

3. (D)



None follow

4. (B)



5. (C)

$$4 \times 7 \times 5 \times 3 = 3574$$

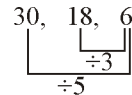
$$8 \times 6 \times 5 \times 6 = 6568$$

Similarly

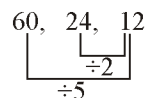
$$4 \times 5 \times 8 \times 5 = 5857$$

Logic : written same digit back side.

6. (C)



Similarly



Other are not divisible same digit.

7. (B) $9 * 3 * 4 * 2 * 1 * 4 = 10$

Put sign option (B)

$$9 \div 3 \times 4 + 2 \times 1 - 4 = 10$$

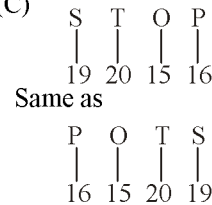
$$\frac{9}{3} \times 4 - 2 - 4 = 10$$

$$3 \times 4 + 2 - 4 > 10$$

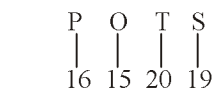
$$12 - 2 = 10$$

$$10 = 10$$

8. (C)



Same as



Logic : (Place values)

9. (B)

18	5
13	23

(I)

Ist figure

$$18 - 5 = 13$$

$$18 + 5 = 23$$

35	17
18	?

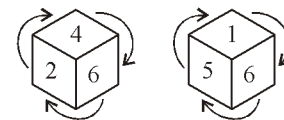
(II)

IInd figure

$$35 - 17 = 18$$

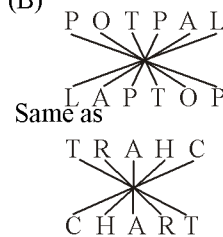
$$35 + 17 = 52$$

10. (C) Comparison II and I dice

Opposite face 6 2 4
6 5 1

[5 is opposite 2]

11. (B)

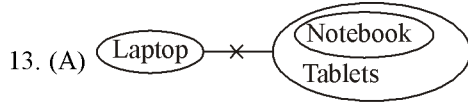


Same as



Logic : Reverse positions written

12. (B) Only II follow.

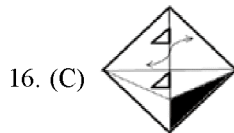
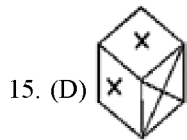


Only III follow.

14. (B) Fan : Fan fuel is Electricity

Same,

Generator fuel is diesel.



17. (B) Both I and II follow.

18. (D) Only I follow.

19. (C) $18-17=1=1^2$

$$21-17=4=2^2$$

$$31-22=9=3^2$$

$$47-31=16=4^2$$

$$72-47=25=5^2$$

Here we have squares as difference.

20. (A) Row I : $49 = 7^2$, $25 = 5^2$, $64 = 8^2$

$$7 + 5 + 8 = 20$$

Row II : $81 = 9^2$, $121 = 11^2$, $16 = 4^2$

$$9 + 11 + 4 = 24$$

Row III : $64 = 8^2$, $100 = 10^2$?

$$8 + 10 + ? = 26$$

$$? = 26 - 18$$

$$? = 8$$

$$8^2 = 64$$

21. (B) Given $\div = \times$, $+= \div$

$$\times = -, - = +$$

$$\text{then} = 33 + 11 - 8 \div 4 \times 12 = ?$$

$$\text{Put sign : } 33 \div 11 + 8 \times 4 - 12$$

$$\frac{33}{11} + 32 - 12$$

$$3 + 20 = 23$$

22. (B) F E D : I H G :: ? : ?

$$\begin{array}{ccc} F & E & D \\ +3 & +3 & +3 \\ I & H & G \end{array}$$

Similarly

$$\begin{array}{ccc} T & S & R \\ +3 & +3 & +3 \\ W & V & U \end{array}$$

23. (D)

go (home) how - ho [ka] pa

come (home) again - [ka] da sa

Now code can be - ho or pa

24. (B) Only I and II follow.

25. (D)

$$\begin{array}{ccccc} S & > & M & > & U & > & J & > & T & > & L \\ | & & & & | & & & & | & & \\ 88 \text{ kg} & & & & 86 \text{ kg} & & & & 63 \text{ kg} & & \end{array}$$

M and T sum of the weight = M = 87

$$T = 63$$

$$\text{Sum} = 87 + 63 = 150$$

26. (A) $400, -200, 100, \boxed{-50}, 25, -12.5$

$$\begin{array}{ccccc} \boxed{} & \boxed{} & \boxed{} & \boxed{} & \boxed{} \\ x-0.5 & x+0.5 & x-0.5 & x+0.5 & x-0.5 \end{array}$$

27. (A) $4925 : 35$

$$1625 : 9$$

$$7+5 = 35$$

$$4 + 5 = 9$$

$$12 = 35$$

$$9 = 9$$

$$4964 : 15$$

$$1636 : 10$$

$$7 + 8 = 15$$

$$4 + 6 = 10$$

$$15 = 15$$

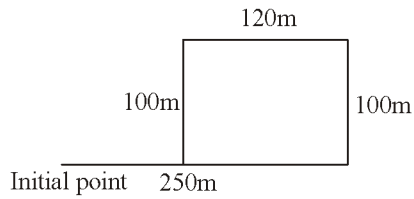
$$10 = 10$$

$$\text{odd } 4925 : 35$$

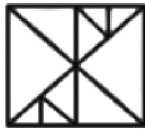
$$7 + 5 = 35$$

$$12 = 35$$

28. (A)

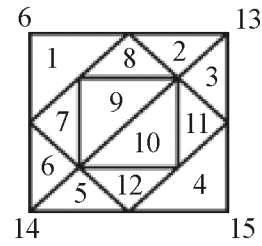


29. (B)



Option (B) figure contained question figure.

30. (B)



Single - 12

Double - 2

Large - 2

Total = 16

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72
Mock Test

SOLUTION



1. (C) 616

$$121 \times 2 + 11 = 253$$

$$121 \times 3 + 11 = 374$$

$$121 \times 4 + 11 = 495$$

$$121 \times 5 + 11 = 616$$

Hence, option C is the correct response.

2. (C) 5690

T→5, O→6, A→3, S→4, T→5.

T→5, R→9, A→3, I→1, N→0.

From the above codes of letters, the code for 'TORN' is

T = 5

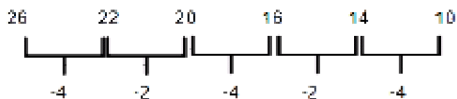
O = 6

R = 9

N = 0

Hence, option C is the right answer.

3. (D) The series will be,

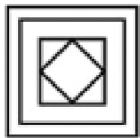


Hence, option D is the correct response.

4. (D)

Word : POETICAL
After rearrangement : A C E I L O P T

So after rearrangement only E's position will remain same.



5. (A)

6. (B) cbcde

For option B, the series becomes,

dccb/dccb/dccb

Hence 'cbcdc' is the correct set of letters.

7. (C) South-East

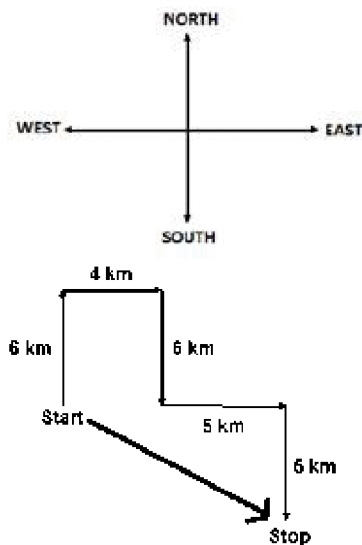
In this question we see that – draw first Geeta walked 6 km in the north direction. took a right turn and covered 4 kms. again turned to her right and covered 6 kms. then took a left turn and traveled 5 km and took a right turn and covered 5 km. Stopped doing it.

volume_up

content_copy

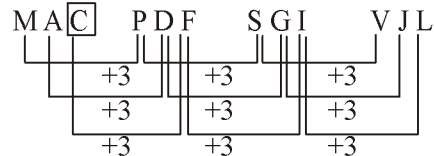
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Observing the above data, it can be found that the direction from the starting point to the end point is South-East. Hence, option C is the correct answer.

8. (C)



9. (C) Here, in each equation we get the term on right hand side by adding the squares of all the three terms on left hand side.

Equation I: $(2)^2 + (3)^2 + (1)^2 = 4 + 9 + 1 \rightarrow 14$

Equation II: $(4)^2 + (0)^2 + (3)^2 = 16 + 0 + 9 \rightarrow 25$

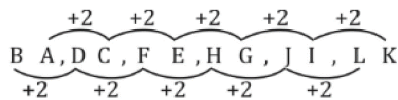
Similarly, for equation III we get as follows:

$\rightarrow (6)^2 + (2)^2 + (4)^2 = 36 + 4 + 16 = 56$

Thus, 56 is the required answer.

Hence, option C is correct answer.

10. (B)



11. (D) $\times, +, -$

Given equation:

$68 \div 8 @ 2 \# 16 \times 3 \div 8 \$ 7 = 16$

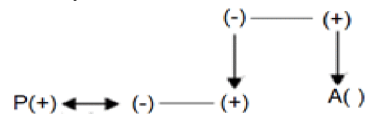
So, if place $\times, +$ and $-$, we get,

$68 \div 8 \times 2 + 16 \times 3 \div 8 - 7 = 16$

Hence, option d.

12. (B) Wife

Family Tree:



Sister of husband of mother of A is wife of P's son's mother's brother's father.

Hence, option b.

PREVIOUS

13. (A) 3141518202125

All the letters of the given words are written in increasing order of alphabets (alphabetical order) and then their corresponding values are written.

HANDLE – ADEHLN – 14581214

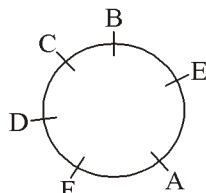
PREFECT – CEEFPRT – 3556161820

Similarly, COUNTRY – CNORTUY – 3141518202125

Hence, option a.

PREVIOUS

14. (C)



C is sitting third right of 'A'

15. (C) If "WASHER" is coded as "SFITBX" and "PUBLIC" is coded as "DJMCVZ", which means first all the letters of the word are reversed then immediate succeeding letter of each letters of the word are written, so "DKFMHL" is coded as "MINGLE"

16. (C) $\frac{3}{3^2} \frac{27}{4^3} \frac{4}{5^2} \frac{64}{6^3} \frac{5}{7^2} \frac{125}{6^3} \frac{216}{7^3} \frac{343}{7^3}$

17. (D) S18T

Given series

D6N, I10P, N14R, ?, X22V

So, $D + 5 = I$, $I + 5 = N$, $N + 5 = S$, $S + 5 = X$

$6 + 4 = 10$, $10 + 4 = 14$, $14 + 4 = 18$, $18 + 4 = 22$

$N + 2 = P$, $P + 2 = R$, $R + 2 = T$, $T + 2 = V$

Hence, option d.

PREVIOUS

18. (C) (23, 11, 68)

Given set (35, 17, 104)

$(17 \times 2) + 1 = 35$, $(35 \times 3) - 1 = 104$

All except option (c), in which $(11 \times 2) + 1 = 23$, $(23 \times 3) - 1 = 68$

Hence, option c.

19. (A)

5	2	8
4	3	1
3	6	5
17	20	?

The pattern is $3 \times 4 + 5 = 17$, $6 \times 3 + 2 = 20$, $5 \times 1 + 8 = 13$

Hence, option a.

20. (B) If + denotes -, \div denotes +, - denotes \times and \times denotes \div ,

$17 \div 16 - 3 \times 4 + 7 - 3 \div 6 - 7 \times 2 = ?$ means

$17 + 16 \times 3 \div 4 - 7 \times 3 + 6 \times 7 \div 2 = 29$

Hence, option b.

PREVIOUS

21. (B) The final seating arrangement is given below:

T	S	W	U	V	Q	R	P
---	---	---	---	---	---	---	---

Five persons sit between T and R.
Hence, option b.

22. (A) The final seating arrangement is given below:

T	S	W	U	V	Q	R	P
---	---	---	---	---	---	---	---

23. (A) PATIENT
PARENT

The word "PATIENT" can't be formed from the word "PERMANENTLY" because there is no "I" in the given word.

Hence, option a.

24. (B) $(26)^2 = 676$

$$(22)^2 = 484$$

$$(28)^2 = 784$$

$$(24)^2 \neq 567 = 576 \text{ is correct}$$

25. (D) As ' \div ' means '+', ' $+$ ' means '-', ' \times ' means ' \div ' and ' $-$ ' means ' \times ', So $5 - 4 \times 2 + 3 \div 7$ can be written as $5 \times 4 \div 2 - 3 + 7$

$$5 \times 4 \div 2 - 3 + 7$$

$$= 10 - 3 + 7 = 14$$

26. (B) 8631745

8 is written as T

6 is written as R

3 is written as A

1 is written as I

7 is written as N

4 is written as E

5 is written as D

So 8631745 is written as TRAINED.

27. (D) As, R sits 2nd to the right of P. Neither Q nor T sits to the left of R. S sits 2nd to the left of Q, so

P	S	R	Q	T
---	---	---	---	---

3 persons sit between P and T.

28. (A) RESPETCED

First four and the last four letters are written in reverse order, so the code for RESPETCED is PSEREDECT.

Hence, option a.

29. (A) If the data in statement II alone are sufficient to answer the question.

30. (C) The series will be,



Hence, option D is the correct response.

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73
Mock Test

SOLUTION



1. (A) Logic:

$$D + 3 = G$$

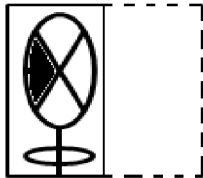
$$G + 4 = K$$

$$K + 5 = P$$

$$P + 6 = V$$

Hence, the correct answer is option (a)

2. (C)



As given in the figure, we need to fold it in a book folding manner and option C would appear when the transparent sheet is folded at the dotted line.

Hence option (C) is correct.

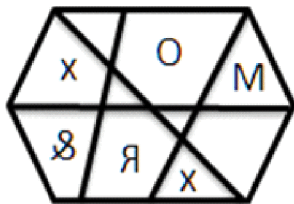
3. (B) arjp

Inserting letters of option (b) we get,

apjrd/apjrd/apjrd

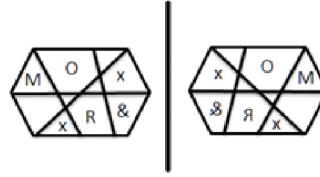
Hence, option (b) is correct.

4. (D)



In a plane mirror, a mirror image is a reflected duplication of an object that appears almost identical, but it is reversed in the direction perpendicular to the mirror surface. As an optical effect it results from reflection of substances such as a mirror or water.

Mirror



Hence answer figure (D) is correct.

5. (C) Bag TV Tables

6. (B) According to the question,

If we interchange \div and $-$ sign, the equation becomes correct.

$$1.5 + 8 \times 9 \div 16 - 2$$

$$1.5 + 4.5 - 2$$

$$6 - 2 = 4$$

Hence, option B is correct answer.

7. (A) The pattern is:

$$13^3 = 2197$$

$$14^2 = 196$$

$$15^3 = 3375$$

$$16^2 = 256$$

$$17^3 = 4913$$

$$18^2 = 324$$

Hence, option A is correct answer.

8. (A) HPY

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

$$H + 8 = P, P + 9 = Y$$

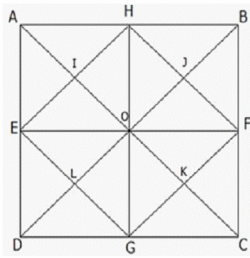
$$A + 8 = I, I + 8 = Q$$

$$G + 8 = O, O + 8 = W$$

$$D + 8 = L, L + 8 = T$$

Hence, the correct option is A.

9. (A)



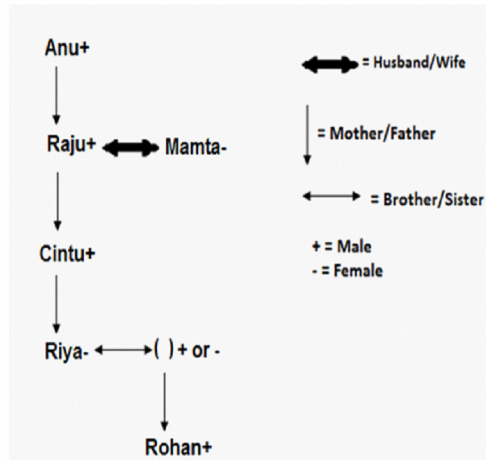
In the given figure triangles are:

AEI, AIH, HIO, OIE, AEH, HEO, AOH, AEO,
HJB, BJF, FJO, OJH, HBF, HOF, HOB, BOF,
OKF, FKC, CKG, GKO, OFC, OGC, OGF, GCF,
EDL, DLG, OLG, OLE, EOG, EDG, EDO, DGO,
ADB, ADO, AOB, ABC
BDC, BOC, DOC, ADC,
GEF, EHF, HEG, HGF.

Thus, there are 44 triangles in the given figure.

Hence, the correct response is option A.

10. (B) Great Granddaughter



Riya is Anu's great-granddaughter. Hence, option B is the correct answer.

11. (B) JK

As,

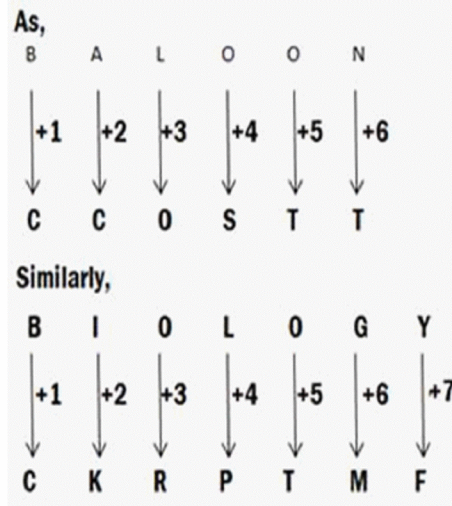
 $I+3 = L$ $J+3 = M$

Similarly,

 $G+3 = J$ $H+3 = K$

Hence, option B is the correct response.

12. (A) CKRPTMF



Hence, option A is the right answer.

13. (C) Here, in each equation we get the term on right hand side by adding the squares of all the three terms on left hand side.

Equation I: $(2)^2 + (3)^2 + (1)^2 = 4 + 9 + 1 \Rightarrow 14$

Equation II: $(4)^2 + (0)^2 + (3)^2 = 16 + 0 + 9 \Rightarrow 25$

Similarly, for equation III we get as follows:

$\Rightarrow (6)^2 + (2)^2 + (4)^2 = 36 + 4 + 16 \Rightarrow 56$

Thus, 56 is the required answer.

Hence, option C is correct answer.

14. (A) Pattern follows here is:

$$36 = 6 \times 6$$

$$25 = 5 \times 5$$

So after 6, we have $6-1=5$

Similarly, $100=10 \times 10$

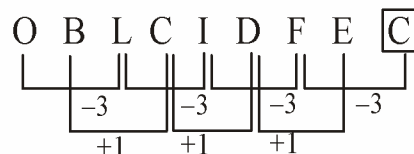
$$10-1=9$$

So $9 \times 9 = 81$ will be our answer

Hence, option A is correct answer.

15. (C) EDNITIDA

16. (C)



17. (C) Suppose that,

Amit's age = X

Suvarna's age = Y

According to the question,

 $X + Y = 61$ (as on 1st January 2015) $Y = X + 3$ (As given in the question)Put $Y = X + 3$ $X + X + 3 = 61$ $X = 29$ Therefore, $Y = 32$

Hence, age of Suvarna as on 1st year 2010 (5 years ago)

 $32 - 5 = 27$

The correct answer is 37

Hence, the correct answer is option C.

18. (D)

$$87 \xrightarrow{+2} 89 \xrightarrow{+3} 92 \xrightarrow{+5} 97 \xrightarrow{+7} 104 \xrightarrow{+11} 115 \xrightarrow{+13} 128 \xrightarrow{+17} 145$$

Logic: addition of Continuous prime number.

Hence, option D is the correct answer.

19. (A) The pattern followed in the above question is-

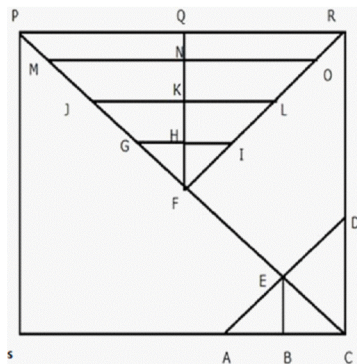
 $(28 \times 36)/4 = 252$ $(30 \times 32)/4 = 240$

Similarly,

 $(36 \times 18)/4 = 162$

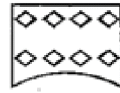
Hence answer is option D

20. (C)



ABE, AEC, EBC, ADC, ECD, FGI, FGH, FHI,
FJL, FJK, FKL, FMO, FMN, FNO, FPR, FPQ,
FQR, PCR, PCS, FRC

21. (C)



22. (C)



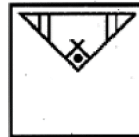
23. (B)
- $12 \times 1.5 + 2 = 20$

$$20 \times 1.5 + 4 = 34$$

$$34 \times 1.5 + 6 = 57$$

$$57 \times 1.5 + 8 = 93.5$$

24. (A)



25. (D)
- $1023 - 36 = 987$

$$987 - 72 = 915$$

$$915 - 108 = 807$$

$$807 - 144 = 663$$

26. (D)



27. (B)



28. (A)
- $$3.5 \xrightarrow{\times 2} 7 \xrightarrow{\times 3} 21 \xrightarrow{\times 4} 84 \xrightarrow{\times 5} 420 \xrightarrow{\times 6} 2520$$

29. (A)
- $$4 \xrightarrow{+3} 7 \xrightarrow{+5} 12 \xrightarrow{+8} 20 \xrightarrow{+12} 32 \xrightarrow{+17} 49$$

Logic : double difference

30. (A)
- $1023 - 36 = 987$

$$987 - 72 = 915$$

$$915 - 108 = 807$$

$$807 - 144 = 663$$

74
Mock Test

SOLUTION

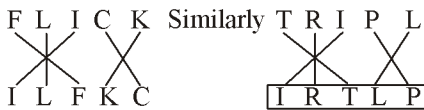


1. (C) Tulip is a flowers

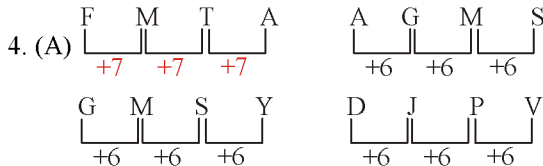
Similarly

Lady finger is vegetable.

2. (D)

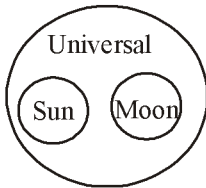


3. (C) Peacock is a bird and other are animals.

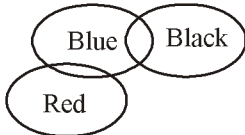


5. (A) P2CT, PC3T, PCT4, P5CT, PC6T

6. (C)

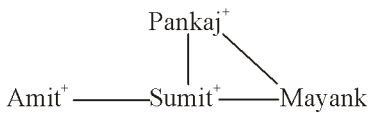


7. (B)



None follow.

8. (D)



Amit and Mayank are brothers

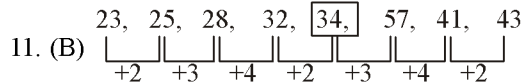
9. (A) A and B present age - 32 and 24

after 8 years, age ratio = $32 + 8 : 24 + 8$

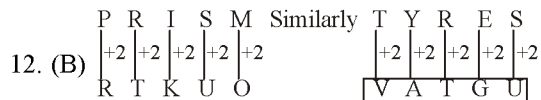
A : B = 40 : 32

A : B = 5 : 4

10. (C) Other three diagram have rectangle but option (D) have not rectangle.



Logic : (+2, +3, +4, Repeat)



13. (D) 4512 : 24 :: 1259 : ?

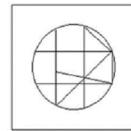
 $4 + 5 + 1 + 2 = 12$ $12 \times 2 = 24$

Similarly

 $1 + 2 + 5 + 9 = 17$ $17 \times 2 = 34$

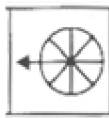
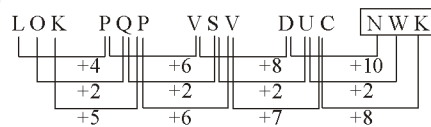
14. (A) P Q RP P QRPPQ R PP Q RP

QPRQ



15. (A)

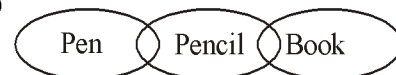
16. (A)



17. (E)

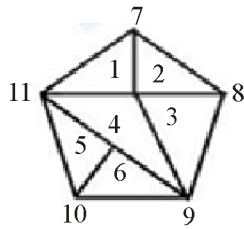
Option (E) will be next come.

18. (D)

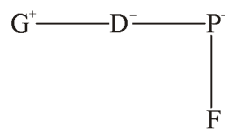


None follow.

19. (B)



20. (A)

21. (A) $G \% D \$ P @ F$ 

G and P are brothers

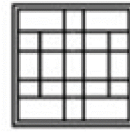
22. (D) $\begin{matrix} 10 & 18 & 38 \\ \times 2-2 & \times 2+2 & \end{matrix}$ Same as $\begin{matrix} 12 & 22 & 46 \\ \times 2-2 & \times 2+2 & \end{matrix}$

23. (C)

24. (A) 38

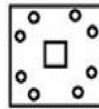
Other three option divided by 7, except 38.

25. (A)

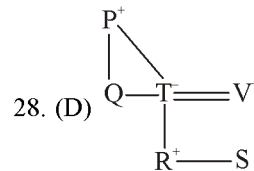


Given figure embedded in option (A) figure

26. (D)



27. (D) $a \underline{c} \underline{b} \underline{d} \underline{d} \underline{b} \underline{a} \underline{c} \underline{b} \underline{d} \underline{d} \underline{b} \underline{a} \underline{c} \underline{b} \underline{d} \underline{d} \underline{b}$
bdabc



28. (D)

V is son-in-law of P.

29. (C) $\begin{matrix} 13 & 27 & 53 & 107 & 213 & 427 \\ \times 2+1 & \times 2-1 & \times 2+1 & \times 2-1 & \times 2+1 & \end{matrix}$

30. (A) $A = 2,$ Find FAQ = ?
 $B = 4,$ $(6+1+17) \times 2 = ?$
 $ACR = 44$ $24 \times 2 = 48$
 $2+6+36=88$ $48=?$
 Logic : (double of place value)

घर बैठे Reasoning के किसी भी Topic को आसानी से और सरल भाषा में समझ सकते हैं वो भी बिल्कुल Free

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Mock Test

SOLUTION



1. (B) Row I : $7 + 6 + 8 = 48$

$16 \times 3 = 48$

Row II : $4 + 9 + 8 = 63$

$21 \times 3 = 63$

Row III: $2 + 5 + 7 = ?$

$14 \times 3 = ?$

$42 = ?$

2. (A)

G	R	O	U	N	D
-5	-5	-5	-5	-5	-5
B	M	J	P	I	Y

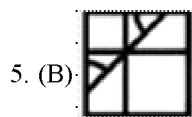
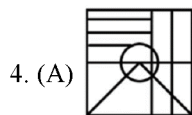
Similarly

F	R	E	A	K
-5	-5	-5	-5	-5
A	M	Z	V	F

3. (A) Colour : Red :: Profession : ?

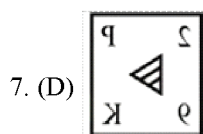
Red is Category of colour

Same as lawyer is category of profession.

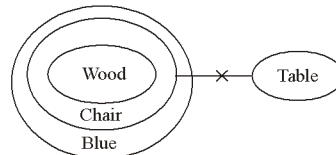


6. (B)

137	148	161	176	193	212
+11	+13	+15	+17	+19	



8. (D)



Both II and III are follow.

9. (A)

R
K
T
L
P

L is second position from the bottom.

10. (C)

T	O	P	A	S
+3	+3	+3	+3	+3
W	R	S	D	V

Similarly

F	R	E	I	G	H	T
+3	+3	+3	+3	+3	+3	+3
I	U	H	L	J	K	W

11. (C) I H J E G F

F computer place to the right of G.

12. (C)

RAP	SCS	TEV	UGY	VIB
+1	+1	+1	+1	
+2	+2	+2	+2	
+3	+3	+3	+3	

13. (C) ROAD = 40

$18 + 15 + 1 + 4 = 40$

$(38) + 2 = 40$

HEAR = 34

$8 + 5 + 1 + 18 = 34$

$(32) + 2 = 34$

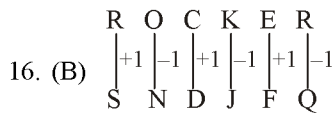
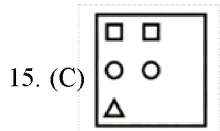
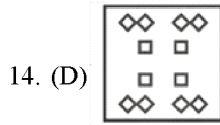
Similarly

POEM = ?

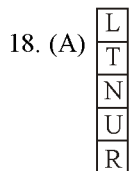
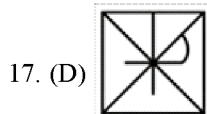
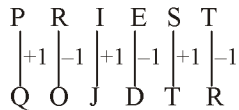
$16 + 15 + 5 + 13 = 34$

$(49) + 2 = ?$

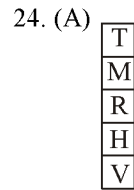
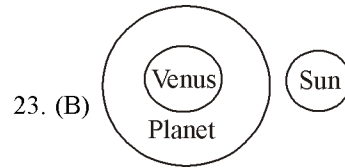
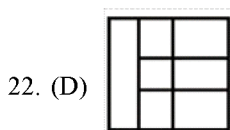
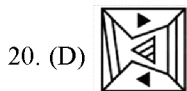
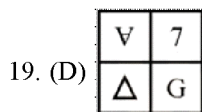
$51 = ?$



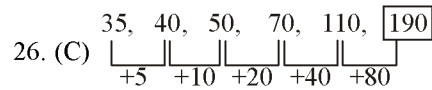
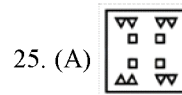
Similarly



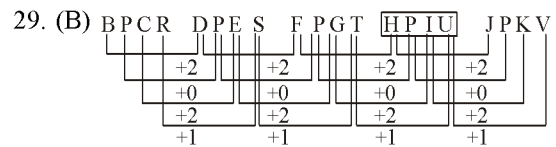
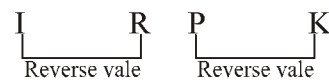
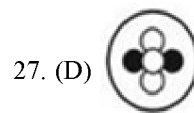
The second position from the north end.



M and T phones are allow R.



Previous difference $\times 2 =$ logic



'U' the fourth letter of the missing term.

