

## Deepak Tirthyani

India's No. 1 Reasoning Teacher



# **SOLUTIONS**Mock Test (56 to 60)

- 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.

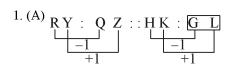
Reasoning by Deepak sir

Reasoning in My Blood

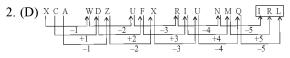
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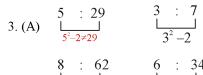




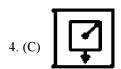
Logic: (-1, +1)



Logic: increase every step (+1, -1)



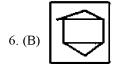
 $logic : (square)^2 -2$ 





Same as





7. (A) Rose are yellow - mee muk pic white flowers - (nil) dic

Flowers are fruits - pic muk dic

white code is -Nil

8. (D) 
$$5 - 25 - 125$$
  
 $5^2$   $5^3$ 

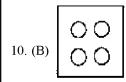
$$\begin{array}{c|c}
10 - 100 - 1000 \\
10^{2} \\
\hline
10^{3}
\end{array}$$

$$6 - 36 - 216$$
 $6^{3}$ 

$$\begin{array}{c|c}
3 - 6 - 27 \\
\hline
3^2 = 9 \neq 6
\end{array}$$
 > odd one

9. (D) 
$$25 : 15625 :: 30 : 27000$$
  
 $30^{3}$ 

logic (cube)



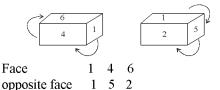


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- 12. (B) Male: Female
  - Same Cock: Hen



14. (A) Figure II<sup>nd</sup> & III<sup>rd</sup>

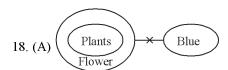


#### 5 is opposite 4

15. (C) We add the corresponding numerical values of the alphabets as per the alphabetical series.

- 16. (D) Apple is a fruit and Spinach is a vegetable. Apple: Fruit:: Spinach: Vegetable.
- 17. (A) Each number in the given series is a perfect cube rather than 344

$$344 = 2^3 \times 43$$
.



Only I follow.

20. (D) 13:84.5 :: 20:?

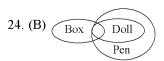
$$13 \times \frac{13}{2} = 84.5$$

Same as

$$20 \times \frac{20}{10} = 200$$

- 22. (C) 2 5 10 17 26 37 50 65 82 10
  - Logic: (first diff. + 2)
- 23. (B)

given figure is embedded in option B



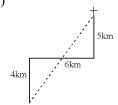
Only I, II and III conclusion are follow.

- 25. (A) Option A will come next in the given series.
- 26. (D) Column -I 4 + 7 = 11Column -II 9 + 4 = 13

Same

Column -II 
$$9 + x = 19$$
  
 $x = 19 - 9 = 10$   
 $x = 10$ 

27. (B)



South-west direction from starting point is with respect to location of school.

- 28. (B) L K I F B W Q
- 29. (D) Photo covered by frame.

House convered by compound wall

Garden covered by fence

Room is not covered by door (so it is odd one)

30. (D) Chlorine is part of the halogen group, similarly neon is part of the inert gas group.



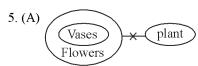


- 1. (B) Most of the times success in one's endeavors gives happiness (its true) only Assumption II is implicit.
- 2. (C) 47 is not divisible by 23 other options are divisible by 23.

3. (B) 
$$\begin{array}{c}
B & E & F & C \\
\downarrow^{+3} & \downarrow^{-1} & \downarrow^{-4} & \downarrow^{+} \\
E & D & B & F
\end{array}$$
Some as



4. (A) k  $\underline{l}$  m  $\underline{n}$  |klm  $\underline{n}$  |klm  $\underline{n}$  klm lnnnn



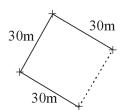
only I follow.

6. (B) FACETIOUS after arranging alphabatical ascending order ACEFLOSTU

'S' letter would be the third letter from the last.

- 7. (B) Statement I. Usha > Veena > Reema.
  Statement II. Reema > Naina
  Usha is oldest Among them.
  Both Statements together are suffcient.
- 8. (D) PRIESTS (given word have only containing one 'S' but PRIESTS have Two 'S')

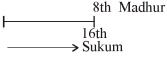




North-East

The perfect mirror image of given figure is option B figure (B).

After change position



Total student = 
$$L + R - I$$
  
=  $16 + 8 - 1$   
=  $23$ 

12. (D) Given bottom ranked =  $38^{th}$  from bottom

Mauritius Ranked from the top

$$= Total + 1 = Top + Bottom$$

$$= 71 + 1 = \text{Top} + 38$$

$$Top = 72 - 38$$

$$Top = 32^{th}$$

13. (C) Bat

Ball

Table

Chair

Fan

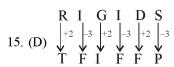
Ball is second postion from the top.

14. (D)



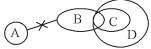
'R' is sitting to immediate left of 'K'.

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Similarly

16. (A)



Only I and II follow.

17. (A) R O 
$$K = 44$$

$$18 + 15 + 11 = 44$$

$$M I G = 29$$

$$13 + 9 + 7 = 29$$

Same as

$$TAL=?$$

$$20 + 1 + 12 = 33$$

18. (C) 35% 66? 29%?

$$35 - 29 = 6$$

$$66 - x = 6$$

$$x = 66 - 6$$

Logic: diff. would be '6'.

19. (B) PING - 4 (ping have 4 latter)

METAL - 5 (metal have 5 letter)

Same as

STEADYS - 7 (steadys have 7 letters)

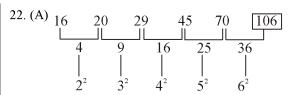
20. (C) VEGT: SHJQ::FGCM:?

Same as

$$\begin{array}{c|c}
F & G & C & M \\
-3 & +3 & +3 & -3 & \\
C & J & F & J
\end{array}$$



Only conclusion I follow.



Logic - square series.

23. (A) <u>L N A R P Q</u>

N is sitting to immediate right of 'L'.

24. (B)

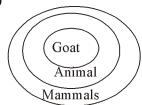


Only I, II and III follow.

25. (A) Five side in pentagon

'Four' side in rectangle.

26. (D)



27. (A) fgg <u>f</u> gff <u>g</u> f <u>g</u> gfg <u>f</u> fgf fggf

28. (D) 0, 2, 3, 5, 10, 18, 33, 61, 112, ?

Pattern is consider = 
$$0 + 2 + 3 = 5$$

$$3 + 5 + 10 = 18$$

$$5 + 10 + 18 = 33$$

$$10 + 18 + 33 = 61$$

$$18 + 33 + 61 = 112$$

$$33 + 61 + 112 = 206$$

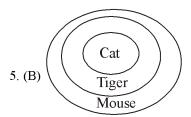
29. (D) Home 2km
3km
College

30. (C)  $1, 0, 5, 124, 11, 1330, 17, \boxed{4912}$   $1^3-1, 5^3-1, 11^3-1, 17^3-1$ 

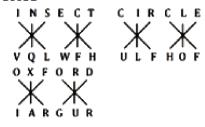




- (C) 15<sup>th</sup> March → Thursday
   Number of days after 15<sup>th</sup> March to 16<sup>th</sup> Aug
  - = 16 + 30 + 31 + 30 + 31 + 16 = 154
  - $\therefore$  No. of odd days =  $\frac{154}{7}$  = 0 odd days
  - : Day on 16th Aug = Thursday + 0
  - = Thursday
- 2. (A) 25+60+35+70=190 25+35+70=130 25+35+60=120
  - 110 is not possible
- 3. (A) Letters in reverse order So, D  $\rightarrow$ 23, E  $\rightarrow$ 22, N  $\rightarrow$ 13 23 + 22 + 13 = 58
- 4. (C)  $(15\times2)+(7\times1)-36$ =30+7-36=1



6. (C) +3 series



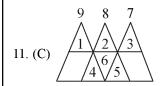
7. (B) Ram 20 km 25 km

He is facing the east direction.

- 8. (A) 31

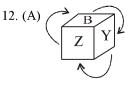
Lady is the wife of the man.

Du29aty (2) .01



Single - 6 Double - 3

Total = 9



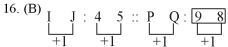


Opposite = C is B

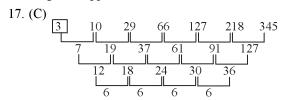
- 13. (B) Only 6 number represents blind Archers who play rugby
- 14. (D) 6 is written as F
  - 2 is written as K
  - 4 is written as C
  - 9 is written as L
  - 1 is written as P
  - 3 is written as E
  - 8 is written as M
  - So, 23469 is written as KECFL.

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15. (D) In all the options except option (d), there are 5 letters between these letters (in alphabetical series)



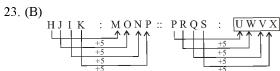
Logic : Tripple diff.



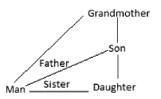
- 18. (B) m <u>n</u> o o p p q | <u>1</u> m n o <u>o</u> p p q | 1 <u>m</u> n o o p p q nplomp
- 19. (B) India's nation bird Peacock Same way USA National bird - Bald eagle
- 20. (C) As H = 8, it shows the position of the letter H in the Alphabetical Series.

Also, LOT = 
$$(12 + 15 + 20) = 47$$
  
Similarly, PLOT =  $(16 + 12 + 15 + 20) = 63$ .

- 21. (B) Elbow
- 22. (B) Hirakund dam situated on mahanadi river same way Tehri Dam Sitaated on Bhagi rathi.



- 24. (A) In all other groups, the first two letters are consecutive and third letter is 2 letters ahead of the second.
- 25. (B) Except the pair (56, 19), in all other pairs the first number is thrice the second number.  $108 = 36 \times 3$ ,  $42 = 14 \times 3$ ,  $69 = 23 \times 3$  But



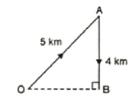
- 27. (B) 4) Franchise
- 5) Frantic
- 3) Fraternity
- 1) Fraudulent
- 2) Fraught
- 4, 5, 3, 1, 2
- 28. (B) The villager moves from his village at O to his uncle's village at A and thereon to Clearly, ΔOBA is right-angled at B.

So, 
$$OA2 = OB2 + AB2$$

$$OB2 = OA2 - AB2$$

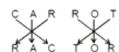
$$OB = km = km = 3 km$$

Thus, B is 3 km to the east of his initial position O.





Therefore,



30. (C) 'EXPANSION' is written as 248537693 Hence 'PENSION' be written as: Therefore PENSION ? 8237693.

### **Deepak sir Social Media**



 $56 = 19 \times 3 - 1$ .



















Telegran

Facebook

nstagram

VouTube

Twitter





1. (C) 
$$\begin{array}{c|c} M & O & X & T \\ & & |+3| & |+3| & |+3| & |+3| \\ P & R & A & W \end{array}$$
 Similarly,

Similarly





Both II and III follow.

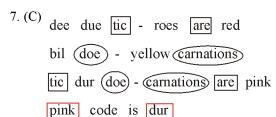
- 3. (A) Only conclusion I follows.
- 4. (B) Option (B) in given figure embedded.

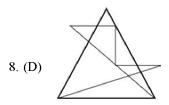


BJKRSVX

R is exactly middle

6. (B) 40 is divisible by (5, 8), and other are not divisible by (5, 8)





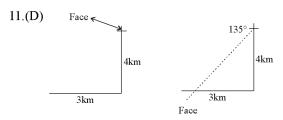
Single = 8



10. (B) Statement I. G > F

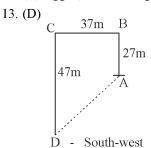
II. F > C, F > F

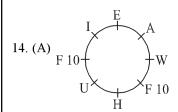
Statement G > D > FOnly I redundant



Face direction = South-west

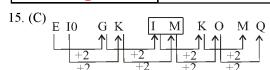
12. (C) Eggs (other are vegetables)





Face directon is North-East

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16. (C) 
$$25$$
,  $28$ ,  $23$ ,  $30$ ,  $21$ ,  $33 = 32$ 

17. (A) 1 Jan. 2016 - Friday,  
then find 31 Dec. 2016 -?  
216 is leap year = 366  
$$366-1 = \frac{365}{7} = 52 \text{ week}$$
1 odd day  
Jan + 1 = Friday + 1  
= Saturday

18. (A) Neither I nor II follow
(Both course of action one not follow the statement)

19. (C) 
$$55 + 7 \times 5 - 28 \div 4 = 27$$
 after change sign.

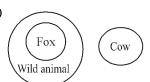
$$55 - 7 \times 5 + 28 \div 4 = 27$$
$$55 - 35 + \frac{28}{4} = 27$$
$$55 - 35 + 7 = 27$$

$$62 - 35 = 27$$



None of follow.





22. (A) M%N#K%T

$$M^{+} \longrightarrow N^{-}$$
 $K^{+} \longrightarrow T^{-}$ 

M is father-in-law of T

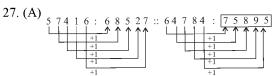
23. (B) Only III is redundant.

Same as



Logic: (put common value code)

$$47 \times 4 = 188$$



28. (B)  $8 + 15 - 20 \times 10 \div 5 = 47$  put option (B) change sign

$$8 - 15 + 20 \times 10 \div 5 = 47$$

$$8 - 15 + \frac{20 \times 10}{5} = 47$$

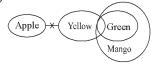
$$8 - 15 + 40 = 47$$

Change value (8, 15)

$$15 - 8 + 40 = 47$$

$$7 + 40 = 47$$

29. (B)



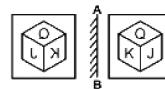
only II follow.

Vini is cousin of Rohit



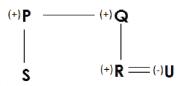


1. (B) The mirror image will be:



Hence, option (B) is the correct response.

2. (A) According to the given information:



S and R are cousins as their parents are brothers. So, U is sister in-law of S.

3. (A) The numbers 1, 2, 5 and 6 are adjacent to the number 3.

Therefore, the numbers 4 are located opposite to 3

4. (D) Here the given words are coded by using the specific alphabet, like

for TIGER = BLACK

Letters T I G E R
code B L A C K
In similar way,

for LION = PLUM

Letters L I O N code P L U M

By using the above codes of letters we get,

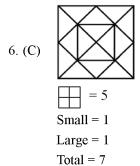
Letters L ITTERING

code P L B B C K L M A

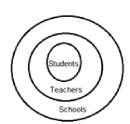
So, LITTERING = PLBBCKLMA

5. (B) Conclusion I information is not given in the statement.

Sun does not rise in west. That implies it rises in east. Hence, conclusion II will follow.



7. (A) Possible Venn-diagram of the given sentences is,



Here, either or situation will not occur even after no negative statements given in the question because diagram clearly says students are the parts of schools.

Thus, Only conclusion I follows.

 $J \rightarrow 10 \rightarrow 10x^2 = 20 \rightarrow T$ 

N  $\rightarrow$ 14 $\rightarrow$  14x<sup>2</sup>  $\rightarrow$  28 $\rightarrow$  (28-26) $\rightarrow$  2 $\rightarrow$  B Similarly,

 $P \rightarrow 16 \rightarrow 16x^2 \rightarrow 32 \rightarrow (32-26) \rightarrow 6 \rightarrow F$ 

 $B \rightarrow 2 \rightarrow 2x^2 \rightarrow 4 \rightarrow D$ 

- 9. (B) 13\*2+2=28
  - 28\*3+3=87

87\*2+2=176 but it is given as 178

176\*3+3=531

531\*2+2=1064

1064\*3+3=3195 (\* = ×)

- 10. (D) 2, 8, 3, 27, 4, 64, 5, 125, 6, 1096  $2^3$   $3^3$   $4^3$   $5^3$   $6^3=216 \neq 1096$

It is not clearly mention who owns the white

Therefore, it can't be determined.

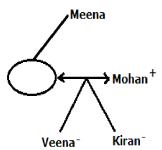
12. (C)

Friends	professions	house color
P	Cook	Red
Q	Banker	yellow/white
R	Teacher	yellow/white
s	Lawyer	Blue

13. (A)

Friends	professions	house color
P	Cook	Red
Q	Banker	yellow/white
R	Teacher	yellow/white
S	Lawyer	Blue

14. (A)



- 15. (B) Just like contemporary is related to historic, modern is related to ancient.
- 16. (A) The series will be,

$$3 \times 2 = 6, 6 + 1 = 7$$

$$7 \times 2 = 14, 14 + 2 = 16$$

$$16 \times 2 = 32, 32 + 3 = 35$$

$$35 \times 2 = 70, 70 + 4 = 74$$

$$74 \times 2 = 148, 148 + 5 = 153$$

- 17. (C) Either I or II follow
- 18. (B) (Elements of 4<sup>th</sup>row + Elements of 3<sup>rd</sup>row) × Elements of 2<sup>nd</sup>row = elements of 1<sup>st</sup>row.

$$(4+3) \times 2 = 14$$

$$(4+6) \times 2 = 20$$

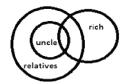
$$(5+3) \times ? = 16 ? ? = 16/8 = 2$$



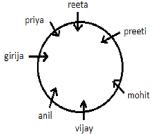


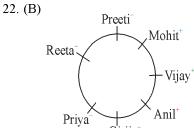
20. (A) Some relatives are uncle but all the uncles are relative.

Some of the relatives as well as uncle are rich. So the diagram that shows the best relationship between them is-



21. (A)





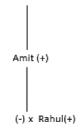
Priya is sitting to the adjacent right of Reeta.

G'irija

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23. (C) 
$$G \stackrel{I}{\underset{|+13|}{|+13|}} \stackrel{K}{\underset{|+13|}{|+13|}} \stackrel{M}{\underset{|+13|}{|+13|}} \stackrel{}{\underset{|+13|}{|+13|}} \stackrel{}{\underset{|+13|}} \stackrel{}{\underset{|+13|}} \stackrel{}{\underset{|+13|}} \stackrel{}{\underset{|+13|}} \stackrel$$

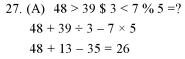
24. (B) Aman(+) =  $Priya(-) \times Mehul(+)$ 

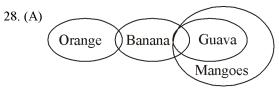


25. (B) For the expression 'X > P' to be true, "=" or ">" or "=" can be put in a question mark.However, for the expression "K >T" to be true,

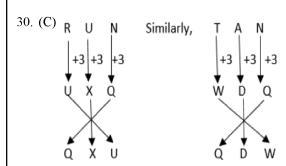
">" is true.

G's gender is not defined, so G is either R's nephew or niece.





Neither I nor II follow.



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