



Deepak Tirthyani

India's No. 1 Reasoning Teacher



Reasoning by Deepak sir

SOLUTIONS **Mock Test (11 to 15)**

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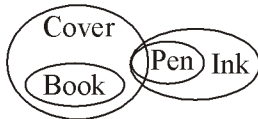
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11
Mock Test

SOLUTION



1. (C) The least possible venn diagram as follows.



2. (A) 4th date - Friday

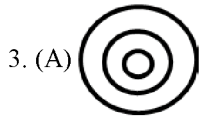
$$12^{\text{th}} \text{ date} = 4 + 7 + 1 = 11^{\text{th}} \text{ Friday}$$

12th - Saturday

After 15th day from 12th date

$$= \frac{15}{7} = 1 \text{ odd day}$$

= Saturday + 1 = **Sunday**



4. (D) If $51 \times 3 - 5 = 22$ = Only true when

$$51 \div 3 + 5 = 22$$

If $18 \times 2 - 10$ = only true when

$$18 \div 2 + 1 = 10$$

If $80 \times 16 - 8$ = Only true when

$$80 \div 16 + 8 = 13$$

5. (A) Row - I. $5 \times 7 \times 6 = 210$

$$\frac{5+7+6}{2} = 9$$

$$210 - 9 = 201$$

Row II. $6 \times 2 \times 8 = 96$

$$\frac{6+2+8}{2} = 8$$

$$96 - 8 = 88$$

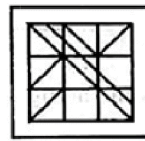
Similarly

Row III. $7 \times 4 \times 9 = 252$

$$\frac{7+4+9}{2} = 10$$

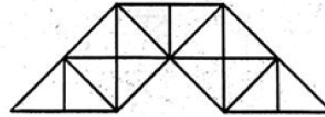
$$252 - 10 = 242$$

6. (A)



In this diagram figure (x) is embedded.

7. (C)



Total = 29

8. (C) If $17 * 36 = 17$ = only true when

$$1 + 7 + 3 + 6 = 17$$

If $41 * 36 = 16$ = only true when

$$4 + 1 + 5 + 6 = 16$$

If $41 * 32 = ?$ = only true when

$$? = 4 + 1 + 3 + 2 = 10$$

9. (C) $9143 : 9963 :: 6731 : ?$

$$9 + 1 + 4 + 3 = 17$$

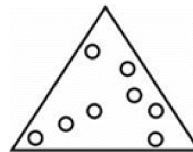
$$9 + 9 + 6 + 3 = 27$$

$$6 + 7 + 3 + 1 = 17$$

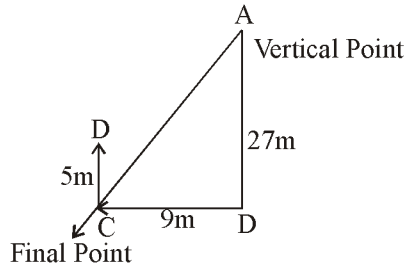
Same as 8964

$$8 + 9 + 6 + 4 = 27$$

10. (C)



11. (D)



By pathogoras them,
 $(Hyio)^2 = (Bare)^2 + (Porp)^2$
 $= (Hyio)^2 = (9)^2 + (27)^2$
 $= (AC)^2 = 81 + 729 = 810$
 $= AC = \sqrt{810} = 9\sqrt{10} \text{ m.}$

12. (C) If Q = 10 only true when

$$Q = 27 - 17 = 10$$

= it mean opposite letter in english dictionary

If FAX = So only true when

$$F = 6 = \text{opposite letter} = 27 - 6 = 21$$

$$A = 1 = \text{opposite letter} = 27 - 24 = 3$$

$$\text{So, FAX} = 21 + 26 + 3 = 50$$

XEROX will be

$$X = 24, \text{ opposite letter is } 27 - 24 = 3$$

$$E = 5, \text{ opposite letter is } 27 - 5 = 22$$

$$R = 18, \text{ opposite letter is } 27 - 18 = 9$$

$$O = 15, \text{ opposite letter is } 27 - 15 = 12$$

$$X = 24, \text{ opposite letter is } 27 - 24 = 3$$

$$\text{So, XEROX} = 3 + 22 + 9 + 22 + 3 = 49$$

13. (D) If 15th march is tuesday.

After 28th August

$$= 16 + 30 + 31 + 30 + 31 + 28$$

$$\text{Odd day} = 2 + 4 + 3 + 2 + 3 + 0$$

So, 28th August will be tuesday.

14. (C) $2 + 2 = 5$, $\frac{2}{2} = 1$, $2 + 2 + 1 = 5$

$$3 + 3 = 7 \quad \frac{3}{3} = 1, 3 + 3 + 1 = 7$$

$$3 + 6 = 11 \quad \frac{6}{3} = 2, (6 + 3 + 2) = 11$$

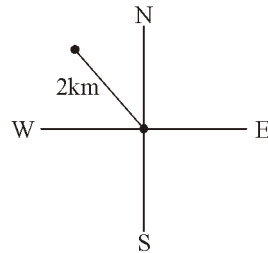
Similarly

$$5 + 25 = 35 = \frac{25}{5} = 5, \quad 5 + 25 + 5 = 35$$

15. (B) Only conclusion II follow.

When women have equal right to Participate in all spheres of life what will be women empowerment.

16. (B)



17. (A) 35 : 48

$$6^2 - 1 \quad 7^2 - 1$$

Same as

$$63 : 80$$

$$8^2 - 1 \quad 9^2 - 1$$

18. (B) 520, 738, 1010, 1342, 1740, 2210
 218, 272, 332, 398, 470
 54, 60, 66, 72

2210 is correct answer.

19. (B) $8 - 4 \div 25 + 12 \times 2 = 1$

$$= 8 \div 4 - 25 + 12 \times 2 = 1$$

$$= \frac{8}{4} - 25 + 24 = 1$$

$$= 2 - 25 + 24 = 1$$

$$1 = 1$$

20. (B) Let Praveen's age = x

$$\text{Mahak's age} = 2x$$

$$\text{Rajlaxmi's age} = \frac{x}{2}$$

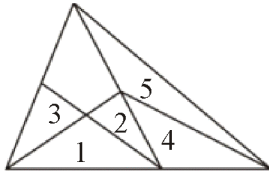
$$\text{If mahak} = 60 = 60 = 2x \\ = x = 30$$

$$\text{Then Rajlaxmi's age} = \frac{x}{2} = \frac{30}{2} = 15 \text{ years}$$

21. (D) Exercise does in GYM.

Eating does in Restaurant.

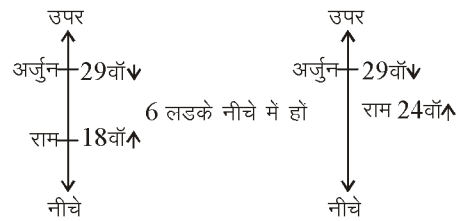
22. (B)



23. (D)



24. (C)



$$\text{Total Boy in the class} = 29 + 24 = 39$$

25. (D) 512 is Related to 125

that way

$$512 = (8)^3 \quad 125 = (5)^3$$

$$8 - 5 = 3$$

Similar way,

$$729 = (9)^3 \quad 216 = (6)^3$$

$$9 - 6 = 3$$

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12
Mock Test

SOLUTION



1. (C) M R P M M R R P P M R P M M R R P P
R M R P R M P

2. (B) B F J : N R V
2 6 10 14 18 22
+12 +12 +12

Similarly

D H L : P T X
4 8 12 16 20 24
+12 +12 +12

3. (A)

 → 9

1	9	4
2		5

 → 10

Total = 19

4. (D) Given conditions

↑
Sky
Star
Sun
Moon

Highest point is sky.

Lowest point is moon.

5. (A)



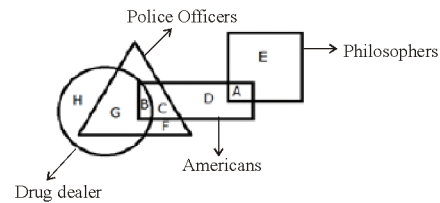
For is female, which is different the male.

6. (D)



Wheat is kharif crops. Chapati is made of wheat.

7. (B) Given figure,

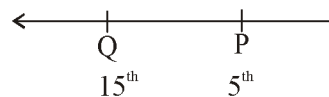


Americans who are police officer is B & C.

8. (D) 50, 25, 89, 88, 80, 87
-25, +64, -9, +8, -1
-5², +4³, -3², +2³, -1³

9. (D) V Y R, T W P, R U K, P S L, N Q J
-2, -2, -2, -2, -2
-2, -2, -2, -2, -2

10. (C)



36th (40 - 5 = 35)

Total girl in between P & Q

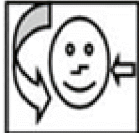
= 36 + 15 - 1 = 20

11. (A)

Case-I	Case-II
D ⁻ = F ⁺	G ⁻ = M ⁺
(Not possible)	D ⁺ = F ⁻
	V ⁺

Hence, D is the son of G.

12. (B)



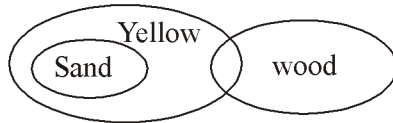
13. (C) Clock wise direction,

5 4 6

5 1 2

So, 3 is opposite to 5.

14. (D)



Neither I nor II follows.

15. (C)



8, 27, 36

16. (C)

$$\begin{array}{c} 19 \quad 9 \\ \text{---} \\ 9 \times 2 + 1 \end{array}$$

Similarly

$$\begin{array}{c} 4, 15, 20 \\ \text{---} \\ 11 \quad 5 \\ \text{---} \\ 5 \times 2 + 1 \end{array}$$

17. (C) $\begin{array}{ccccccc} A & B & C & : & F & F & F \\ 1 & 2 & 3 & & 6 & 6 & 6 \\ & \text{---} & \text{---} & & \text{---} & \text{---} & \text{---} \\ & +5 & +4 & & +3 & & \end{array}$

Similarly

$$\begin{array}{ccccccc} M & D & P & : & R & H & S \\ +13 & +4 & +16 & & +18 & +8 & +19 \\ & \text{---} & \text{---} & & \text{---} & \text{---} & \text{---} \\ & +5 & +4 & & +3 & & \end{array}$$

18. (A) When means ' $\times$ ', whe means ' $\div$ ' will means ' $+$ ', come means ' $-$ '

then

8 when 12 will 16 she 2 come 10,

 $-8 \times 12 + 16 \div 2 - 10$

$$= 96 + 8 - 10$$

$$= 94$$

19. (D) Option (D) is odd.

(D) $\begin{array}{ccccccc} D & E & A & L & : & B & G & C & J \\ 4 & 5 & 1 & 12 & & 2 & 7 & 3 & 10 \\ & \text{---} & \text{---} & \text{---} & & \text{---} & \text{---} & \text{---} & \text{---} \\ & -2 & +2 & -2 & & +2 & +2 & +2 & \end{array}$

(A) $\begin{array}{ccccccc} C & U & R & E & : & A & W & P & G \\ 3 & 21 & 18 & 5 & & 1 & 23 & 16 & 7 \\ & \text{---} & \text{---} & \text{---} & & \text{---} & \text{---} & \text{---} & \text{---} \\ & -2 & +2 & -2 & & +2 & +2 & +2 & \end{array}$

(B) $\begin{array}{ccccccc} L & E & F & T & : & J & G & D & V \\ 12 & 5 & 6 & 20 & & 10 & 7 & 4 & 22 \\ & \text{---} & \text{---} & \text{---} & & \text{---} & \text{---} & \text{---} & \text{---} \\ & -2 & +2 & -2 & & +2 & +2 & +2 & \end{array}$

(C) $\begin{array}{ccccccc} M & A & T & E & : & K & C & R & G \\ 13 & 1 & 20 & 5 & & 11 & 3 & 18 & 7 \\ & \text{---} & \text{---} & \text{---} & & \text{---} & \text{---} & \text{---} & \text{---} \\ & -2 & +2 & -2 & & +2 & +2 & +2 & \end{array}$

20. (C)

$$\begin{array}{cccc} H & E & A & R \\ 8 & 5 & 1 & 18 \\ \downarrow +3 & \downarrow +3 & \downarrow +3 & \downarrow +3 \\ K & J & H & A \\ 11 & 10 & 8 & 1 \end{array}$$

Similarly

$$\begin{array}{cccc} M & I & L & K \\ 13 & 9 & 12 & 11 \\ \downarrow +3 & \downarrow +5 & \downarrow +7 & \downarrow +9 \\ P & N & S & T \\ 16 & 14 & 19 & 20 \end{array}$$
21. (D) $216 = 6^3$

$$343 = 7^3$$

Similarly

$$8 : 27$$

$$8 = 2^3$$

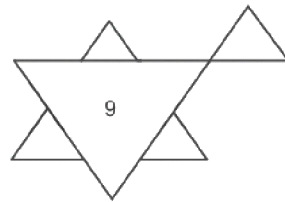
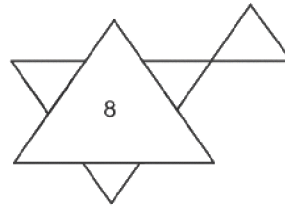
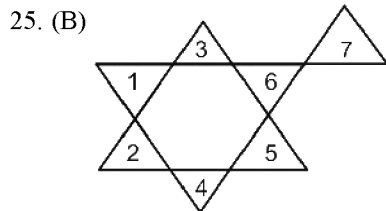
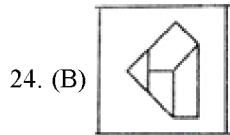
$$27 = 3^3$$

22. (D) C opposite X

H opposite S

B opposite Y

J not opposite P

23. (B) R M I F D B
-6 -5 -4 -3 -2

Hence, option (D) 9 is the correct answer.

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13
Mock Test

SOLUTION



1. (D) First column

48 and 28 ka last number $8 = 4 + 8 + 8 = 20$

First column first number is 3

20 into 3 = 60

Similarly

72, 35 ka last number $5 = 7 + 2 + 5 = 14$

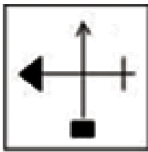
14 into 7 = 98

2. (D) $63 : 72$ $= 9 (7 : 8)$

Same way,

 $152 : 133$ $= 19 (8 : 7)$ Common term is $8 : 7$.

3. (C)



4. (C) Column I.

$3 + 14 = 17$

$17 \times 2 = 34$

Column II.

$18 + 13 = 31$

$31 \times 2 = 62$

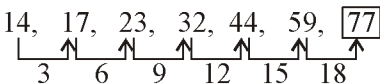
Similarly Column III. $27 + x = 49$

$49 \times 2 = 98$

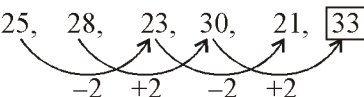
$x = 49 - 27$

$x = 22$

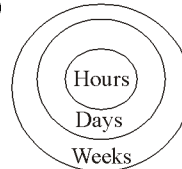
5. (B)



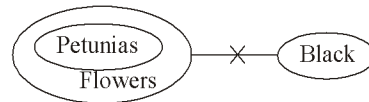
6. (C)



7. (A)



8. (B) The least possible Venn diagram as follow.



9. (A) KITE = 9

$(4 \times 2) + 1 = 9$

MAGIC = 11

$(5 \times 2) + 1 = 11$

Similarly

FELICITATION

$(12 \times 2) + 1 = 25$

10. (D) In certain code language,

'dec duc' $\triangle$ 'fic' is written as 'roses' $\triangle$ 'are' red''bil' $\circ$ 'doe' is written as 'yellow' $\circ$ 'cernations' $\triangle$ 'dur' $\circ$ 'doe' is written as 'cernations' $\triangle$ 'are' pink'

So, 'dur' is coded as 'Pink'.

11. (A)

12. (A) It 1st Jan. 2016 is Friday (leap year)

then 1 Jan. 2017,

1 Jan. 2016 to 1 Jan. 2017 has odd days 2. It

13. (B)

$289 : 324$

$$\begin{array}{c} \downarrow \quad \downarrow \\ 17^2 \quad 18^2 \end{array}$$

$441 : 484$

$$\begin{array}{c} \downarrow \quad \downarrow \\ 21^2 \quad 22^2 \end{array}$$

14. (D)
- $10 : 142 :: 17 : 359 :: 21 : ?$

 $10 : 142$

$$142 = (10 + 2)^2 - 2 = 144 - 2 = 142$$

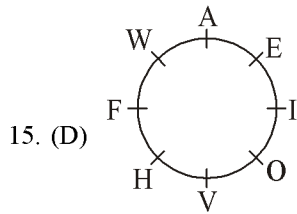
 $17 : 359$

$$359 = (17 + 2)^2 - 2 = 19^2 - 2 = 361 - 2 = 359$$

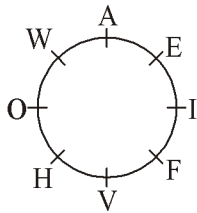
Similarly

$$? = (21 + 2)^2 - 2 = 529 - 2 = 527$$

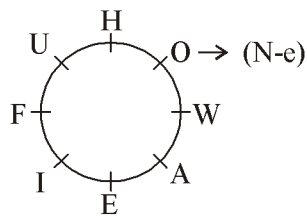
$$\text{logic : } x = (x + 2)^2 - 2$$



When O & F interchange their position



For north direction H, O will be north east direction.



16. (C)
- | | | | | | |
|------|------|------|------|------|------|
| S | U | N | D | A | Y |
| 19 | 21 | 14 | 4 | 1 | 25 |
| ↓ -1 | ↓ +2 | ↓ -3 | ↓ +4 | ↓ -5 | ↓ +6 |
| R | W | K | H | V | E |
| 18 | 23 | 11 | 8 | 22 | 5 |

A	N	N	U	A	L
1	14	14	21	1	12
↓ -1	↓ +2	↓ -3	↓ +4	↓ -5	↓ +6
Z	P	K	Y	V	R

17. (B) Option (B) is odd, because 195 is not a factor of 195.

18. (D) (D) P E N A L

16 5 14 1 12

- (C) A E O N S

1 5 15 14 19

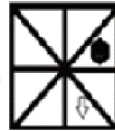
- (B) P I O U S

16 9 15 21 19

- (A) Q U A I L

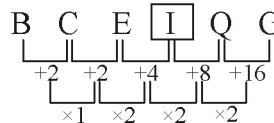
17 21 1 9 12

We can see in option (D) two vowels come different place. So, option (D) is odd.



19. (A)

20. (B)



21. (B) C Y B, F U G, I Q L, L M Q,
3 25 2 6 21 7 9 17 12 12 13 17
O I V R E A
15 9 22 18 5 27

22. (D) 6 will be opposite of 4.

4 5 1

4 3 2

23. (A) (9, 28, 85) is some way

$$\begin{matrix} \text{9} & & \text{28} & & \text{85} \\ \text{---} & & \text{---} & & \\ \times 3 + 1 & & \times 3 + 1 & & \end{matrix}$$

$$\begin{matrix} \text{(7, 22, 67)} \\ \text{---} & & \text{---} \\ \times 3 + 1 & & \times 3 + 1 \end{matrix}$$

24. (D) (D) is correct answer

(A) 42, 72

(B) 132, 182

(C) 20, 42

(D) 56, 63 | Both divide by 7.

25. (B)

H	O	M	E	S	I	C	K
↓	↓	↓	↓	↓	↓	↓	↓
8	7	6	4	0	1	3	5
S	O	A	K	E	D		
↓	↓	↓	↓	↓	↓		
0	7	2	5	4	9		

M	E	D	I	A
↓	↓	↓	↓	↓
6	4	9	1	2



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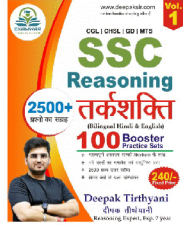
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14
Mock Test

SOLUTION



1. (D) 12 is not factor of 154

While,

9 is factor of 90.

11 is factor of 132.

6 is factor of 42

2. (C)

(A) S R P (B) M L J

19 18 16 13 12 10

(C) J H F (All difference value same)

10 8 6

(D) E D B

5 4 2

3. (C) 5, 6, 10, 19, 35, 60

1 4 9 16 25

↓ ↓ ↓ ↓ ↓

1² 2² 3² 4² 5²

Hence, option C is correct Answer.

4. (C) B K J : X E B :: T Y T : P S L

-4 -6 -8 -4 -6 -8 -4 -6 -8

5. (B) J O S : B G K :: L P S : D H K

-8 -8 -8 -8 -8

Option (B) is correct.

6. (D) 15 4 35 = 1 + 4 = 5

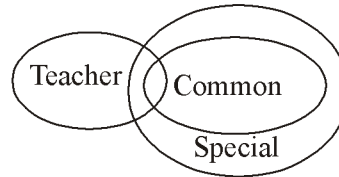
45 4 35 = 4 + 4 = 8

64 4 36 = 6 + 4 = 10

22 4 48 = 2 + 4 = 6

Logic : (first number + question mark number 4)

7. (D)



Only conclusion I follows.

8. (B) Column I. 81 13 117

$$9^2 = 13 \times 9 = 117$$

Column II 361 : 5 : 95

$$19^2 = 19 \times 5 = 95$$

Same column III x 6 96

$$\sqrt{x} \cdot \sqrt{x} \times 6 = 96$$

$$16 \times 6 = 96$$

$$x = 256$$

9. (B) Statement:

K > A > C, D = B < K, E > K

Conclusion:

E > K > A > C; D = B > K

I. D < A - False

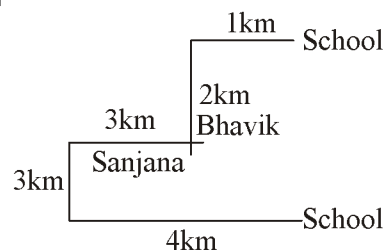
II. E > C - True

Only conclusion II follows.

10. (B) i i j k l l k j i i j k l l k j i

ilijlj

11. (B)



7 km South

12. (D) Dravid
Symonds
Shangakara
Gautam
Dhoni

13. (B) In a row letter,
Total letter = $5 + 12 - 1 = 16$

14. (B) Maximum synonyms is excess.
Shy synonyms is conservative.

15. (C) $A \rightarrow +$
 $M \rightarrow \times$
 $D \rightarrow \div$
 $G \rightarrow >$
 $L \rightarrow <$
 $20D \ 4A \ 4L \ 4A \ 2M3$
 $= 20 \div 4 + 4 < 4 + 2 \times 3$
 $= 9 < 10$ (true)

16. (B)
-

(South-west)

17. (B) Figure-I. $25 + 45 + 35 + 30$

$$= \frac{135}{5} = 27$$

Figure-II, $20 + 60 + 30 + 40$

$$= \frac{150}{5} = 30$$

Same as

$$40 + 25 + 65 + 35$$

$$\frac{165}{5} = 33$$

18. (C) Conclusion I conclusion II not follow.
So, Neither I or not II follow.

19. (B)
(A) $19, 39 \rightarrow 19 \times 2 + 1 = 39$
(B) $25, 53 \rightarrow 25 \times 2 + 3 = 53$
(C) $68, 137 \rightarrow 68 \times 2 + 1 = 137$
(D) $37, 75 \rightarrow 37 \times 2 + 1 = 75$



20. (D)

Figure (D) will complete the question.

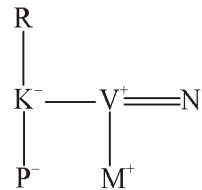


21. (B)



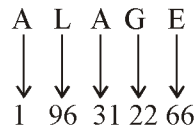
22. (A)

23. (D) P is niece of V



24. (B) 76, 149, 292, 572, 1120, 2192
-

25. (D) 'ALAGE' will be coded as



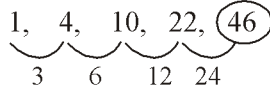
So, option (D) is correct.

15
Mock Test

SOLUTION



1. (A)

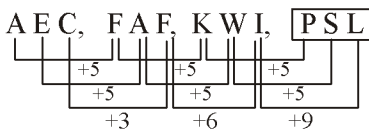
2. (D) $6 \times 6 + 4 = 40$

$$8 \times 8 + 4 = 68$$

$$12 \times 12 + 4 = 148$$

$$14 \times 14 + 4 = 200 \neq 198$$

3. (B)



4. (B) Option A, C, D, second pair is source of first one.

But option (B) have many different source.

5. (D) If $51 \times 3 - 5 = 22 \rightarrow$ Only possible when

$$51 \div 3 + 5 = 22$$

If $18 \times 2 - 1 = 10 \rightarrow$ Only possible when

$$18 \div 2 + 1 = 10$$

If $80 \times 16 - 8 = ? \rightarrow$ Only possible when

$$18 \div 16 + 8 = 13$$

6. (B)

7. (A) Row - I. $5 \times 7 \times 6 = 210$

$$\frac{5+7+6}{2} = 9$$

$$210 - 9 = 201$$

Row II. $6 \times 2 \times 8 = 96$

$$\frac{6+2+8}{2} = 8$$

$$96 - 8 = 88$$

Similarly

Row III. $7 \times 4 \times 9 = 252$

$$\frac{7+4+9}{2} = 10$$

$$252 - 10 = 242$$

8. (B) a a bca b ca a c a ba a bc

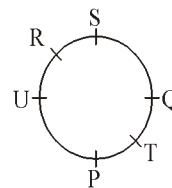
abaa

9. (B) (9, 15, 21)
6 6 (Difference)

Similar way,

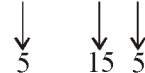
(15, 25, 35)
10 10 (Difference)

10. (A)



T sits to the left of U.

11. (D) EXPLORE is coded as 25.



(take only vowel)

$$5 + 15 + 5 = 25$$

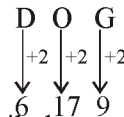
DISCOVER is coded as 29.



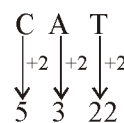
(take only vowel)

$$9 + 15 + 5 = 29$$

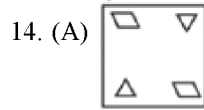
12. (B)



Similarly

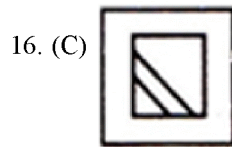


13. (B) A K, D Q, G V, J Z, MC
-



15. (B) $8 - 4 \div 25 + 12 \times 2 = 1$
 $= 8 \div 4 - 25 + 12 \times 2 = 1$
 $= 2 - 25 + 24 = 1$

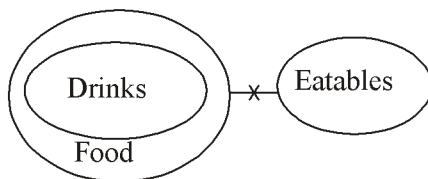
Let side = Right side



17. (A) 9, 27, 31, 155, 161, 1127, 1135
-

18. (C) REALM = E is not source word

19. (D) The least possible venn diagram,



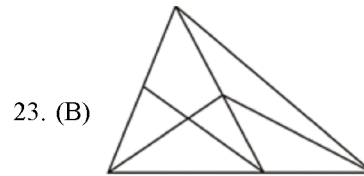
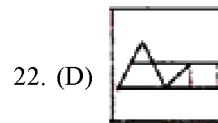
20. (C)
-

FEGH letter represents plumbers who are either bakers or jugglers.

21. (D) $(23)^2 = 529$
 $(32)^2 = 1024$
 $(19)^2 = 361$
 $(91)^2 = 8281$

Same as

- $(21)^2 = 441$
 $(12)^2 = 144$



Single - 4

Double - 4

Tripple - 2

Large = 1

Total = 11

24. (A) In the dictionary order,
 Terminal < Terrible < Thankful < Theatre < Therefore

25. (A) According to Mayank, exam date was 19 Dec. & 20 Dec.

According to Suraj, exam date was 20 Dec, 21 Dec, 22 Dec & 23 Dec.

So, common date is 20 Dec.

20 Dec is exam date.

Deepak sir Social Media



Telegram



Facebook



Instagram



YouTube



Twitter