Deepak Tirthyani

India's No. 1 Reasoning Teacher

SOLUTIONS
Mock Test (36 to 40)

➤ 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.
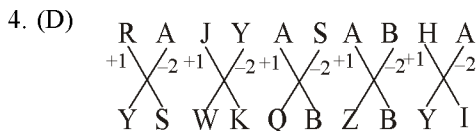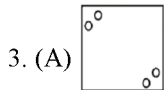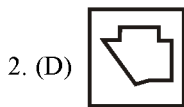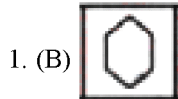➤ More than 1500+ videos on YouTube.

Reasoning in My Blood

Reasoning by Deepak sir

www.deepaksir.com

36 Moct Test **SOLUTION**

1. (B)

2. (D)

3. (A)

4. (D)

R A J Y A S A B H A
+1 −2 +1 −2 +1 −2 +1 −2 +1 −2
Y S W K Q B Z B Y I

Similarly

H I G H C O U R T S
+1 −2 +1 −2 +1 −2 +1 −2 +1 −2
G I F H M D P V Q U
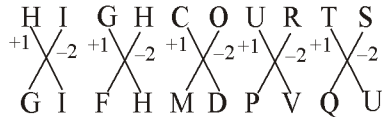
5. (A) Option B, C, D are related to science branch.
   But option A is not related to science Branch.
   So, option A is odd.

6. (B) 11 : 2010 :: ? : ?
   $11^2 \times (11-1) = 1210$
   $11^2 \times 10 = 1210$
   Similarly
   $8^2 \times (8-1) = 448$
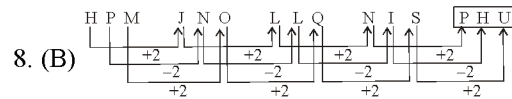 $64 \times 7 = 448$
   $448 = 448$

7. (A) P opposite position value is 11.
   S opposite position value is 8.
   V opposite position value is 5.
   Y opposite position value is 2.

8. (B)

H P M   J N O   L L Q   N I S   P H U
        +2   +2   +2   +2
         −2   −2   −2   −2
        +2   +2   +2   +2
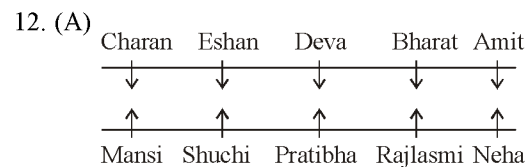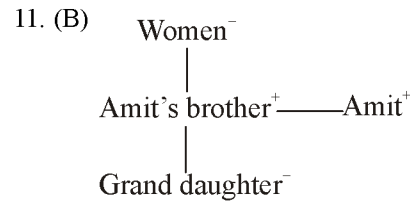
9. (C) 97 : 4 : : 84 : ?
   9 − 7 = 2
   $2^2 = 4$
   Similarly
   8 − 4 = 4
   $4^2 = \mathbf{16} = ?$

10. (C) Only Assumption III is included in the statement, So, option III is the correct.

11. (B)

Women⁻
|
Amit's brother⁺ ──── Amit⁺
|
Grand daughter⁻

12. (A)

Charan   Eshan   Deva   Bharat   Amit
  ↓   ↓   ↓   ↓   ↓
  ↑   ↑   ↑   ↑   ↑
Mansi   Shuchi Pratibha Rajlasmi Neha

Mansi is sitting opposite to Charan.

13. (A) M → ÷
   N → ×
   O → +
   P → −
   306M17N18P289O35
   = 306 ÷ 17 × 18 − 289 + 35
   = 18 × 18 − 289 + 35 (Using BODMAS)
   = 304 − 289 + 35 = 70

14. (D)

B U I L D I N G
↓ ↓ ↓ ↓ ↓ ↓ ↓
4 1 5 2 7 5 9 6

R I V E R
↓ ↓ ↓ ↓ ↓
8 5 3 0 8

Similarly

B R I D G E
↓ ↓ ↓ ↓ ↓
4 8 5 7 6 0

Logic : Put common code value.

15. (A) (L)

Defference increase is every step.

16. (D) 3 F   6 G   11 I   18 L   [27 P]
+3   +5   +7   +9
+1   +2   +3   +4

17. (D)

M O Q, S U W, Y A C, [E G I]
+2 +2 +2 +2 +2 +2 +2 +2 +2 +2

18. (C) If G = 7

Excel = 5 + 24 + 3 + 5 + 12 = 49
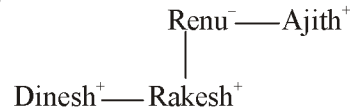
Accept = 1 + 3 + 3 + 5 + 16 + 20 = **48**

19. (B) $\dfrac{(36 \times 4) - 8 \times 4}{4 + 8 \times 2 + 16 \div 1}$

$= \dfrac{(36 - 4) \div 8 - 4}{4 \times 8 - 2 \times 16 + 1} = 0$

$= \dfrac{\dfrac{32}{8} - 4}{32 - 32 + 1}$

$= \dfrac{4 - 4}{1} = 0$

20. (B)

Renu⁻ —— Ajith⁺
|
Dinesh⁺ —— Rakesh⁺

21. (A) By using option

(A) 49 – 82 = 33

(B) 17 – 37 = 24

(C) 26 – 50 = 24

(D) 65 – 101 = 36

Option (B), (C), (D) divide by 4.

22. (B)
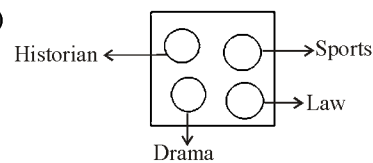

23. (C) Option (A), (B), (D) is divided by 7 but option C is not divided by 7.

24. (C) 12 : 68 :: 21 : ?

12 : 68   21 : 119

= 4(3 : 17)   7(3 : 17)

25. (D)

37 Moct Test **SOLUTION**

1. (B)

Right 5th 6th left

R Q P
(17th Right) (17th left)
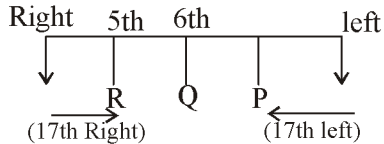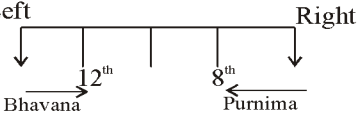
R's new position from left side
= 17 + 6 + 5 = 28
R's now from right side = 17
Total girl are there in the row = 17 + 28 – 1 = 44

2. (B) Left Right

12th 8th
Bhavana Purnima

When interchange their position

Left Right

Purnima Bhavana
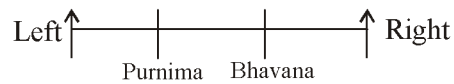
Total student in the row
= 8 + 21 – 1 = 38
Purnima's new postion from the right
= 28 – 8 +1
= 29 – 8 = 17th
Hence, option B is the correct

3. (A)

$$P\ E\ N : Q\ G\ Q$$
+3, +1, +2

$$N\ I\ B : O\ K\ E$$
+3, +1, +2
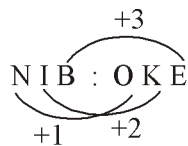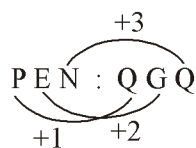
4. (B) Projector, CRI & speaker are output thing while light pen is the input thig.
Hence, B is the correct answer

5. (B) (18 ÷ 9) + 9 × 8 = 24
option (B)
(18 + 9) ÷ 9 × 8

= 27 ÷ 9 × 8
= 3 × 8 = 24   (Using BODMAS)

6. (D) Figure I. 4×3 + 5 × 2
= 12 + 10 = 22
Figure II. 2 × 1 + 7 × 6
= 2 + 42 = 44
Figure III. 8 × 7 + 2 × 5
= 56 + 10 = 66

7. (A)

A R B Q P
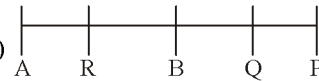
A is the left end.

8. (A) **Statement :**
E > K > A > C > B = D
or   E > K > B = 0, K > A > C
Conclusion :
I. D < A - False (no relating)
II. E > C - True
(E > K > A > C)
Hence, option A will be correct A.

9. (B)

10. (C) Medium Embrace Number Animal Intimate

1st letter 2nd letter 3rd letter 4th letter 5th letter

11. (A) 48, 35, 52, 40, 60, 50, 72, 65, 88, 85
+4 +8 +12 +16
+5 +10 +15 +20

12. (D)

S — Q — R

P — T

S is the Aunt of T.

13. (A) Right different Hights,

Height↑

1	B
2	A
3	E
4	D
5	C

B is the tallest person.

14. (C)

H I S T O R Y
+1 +2 +3 +4 +5 +6 +7
9 11 22 24 20 24 32

Similarly

C A N A L
+1 +2 +3 +4 +5
D C Q E Q
4 3 17 5 17

15. (B) If 45 (60) 75 (difference)
        15   15

78 (84) 90 (difference)
  6   6

So,

49 (C) 63 = C = 56
  7   7

16. (A) 2687 – 672   2123 – 161

2+6+8+7 – 6 + 7 + 2   2+1+2+3– 1+6+1

23 ≠ 15   8 = 8

3217 – 148   8123 : 293

3 + 2 + 1 + 7 – 1+4+8   8+1+2+3 : 2+9+3

13 = 13   14 = 14

17. (A) 19 : 367 :: ? : ?

$19^2 + 6 = 367$

Similarly

21 : 447

$21^2 + 6 = 447$

18. (A)

H O P   T W O
P H O   O T W

19. (A)

20. (A)

Sourabh Shadow

W ← Sourabh ← Kailash

Hence, Kailash was facing west side.

21. (D)

Shahid⁺——Julie⁻

Akram⁺   Zeeshan⁺——Jeba⁻

Yana⁻

Hence, yana is the granddaughter of Zeba.

22. (A) According to english alphabets
(1) INCENDIARY   (4) INDIRGCT
(2) INFLAMMATORY   (3) INSINUATE
(5) INTESTATE
1, 4, 2, 3, 5

23. (C)

We are facing now north-east direction.

24. (C) 7, 23, 95, ?, 2879

7 × 3 + 2 = 23

23 × 4 + 3 = 95

95 × 5 + 4 = 479

479 × 6 + 5 = 2879

25. (A) 12 # 5 @ 7 = 119

(12 + 5) × 7 = 119

15 # 4 @ 8 = 152

(15 + 4) × 8 = 152

17 # 6 @ 7 = ?

(17 + 6) × 7 = **161**

38 Moct Test

SOLUTION

1. (C)

N 60m
110m | 90m
60m
W ←————•————→ E
Intial point
S

Distance = 110 – 90
Distannce to intial point = 20

2. (C) Female   School   Children

3. (B)

4. (A)

Turtle   Hake   Bird
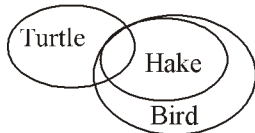
Only II follow.
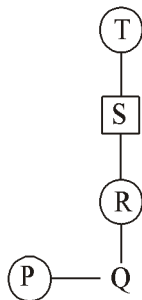
5. (C) 4677 = 4 + 6 + 7 + 7 = 24
4857 = 4 + 8 + 5 + 7 = 24
5371 = 5 + 3 + 7 + 1 = 16
8637 = 8 + 6 + 3 + 7 = 24
5371 is the odd option.
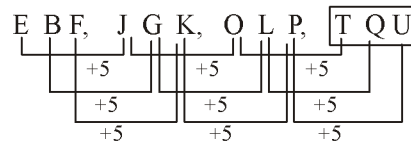
6. (B)

T
S
R
P — Q

P is the grand daughter F & S.

7. (C)

E B F,   J G K,   O L P,   T Q U
+5   +5   +5
+5   +5   +5
+5   +5   +5

8. (D) If 19 + 4 # 5 = 39
19 + (4 × 5) = 19 + 20 = 39
If 21 # 5 + 6 = 111
(21 × 5) + 6 = 105 + 6 = 111
11 + 15 # 5 = ?
11 + (15 × 5) = 11 + 75 = 86
86, will be correct answer

9. (C)

S A G : K S Y :: C K Q : U C I
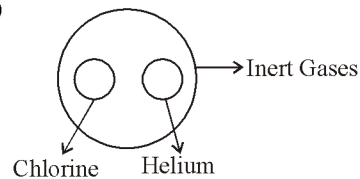+18   +18   +18
+18   +18   +18
+18   +18   +18
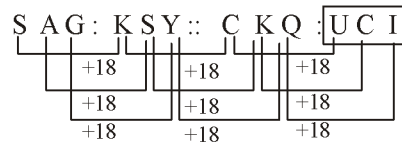
10. (C)

11. (C) Option B, C, D are divided 8.
But option A is not divided 8.
hence, A is the correct answer.

12. (C)

Inert Gases
Chlorine   Helium

13. (D) (15, 49, 151)
= 15 × 3 + 4 = 49
49 × 3 + 4 = 151
Option D
(5, 19, 61)
= 5 × 3 + 4 = 19
19 × 3 + 4 = 61

14. (C) 2139 : 3246 :: 4262 : ?

Digital sum

2139 = 2 + 1 + 3 + 9 = 15

3246 = 3 + 2 + 4 + 6 = 15

4262 = 4 + 2 + 6 + 2 = 14

2471 = 2 + 4 + 7 + 1 = 14

15. (B) If PAST is coded

EAST = 5 + 1 + 19 + 20 = 45

45 × 4 = 180

NORTH = 14 + 15 + 18 + 20 + 8 = 75

75 × 5 = 375

SOUTH = 19 + 15 + 21 + 20 + 8 = 83

83 × 5 = 415

16. (D) Option A, B, C are position post in military.

But soldier is not post.

Hence D is the correct Answer.

17. (D)

(A) 845 = 8 + 4 + 5 = 17

(B) 629 = 6 + 2 + 9 = 17

(C) 737 = 7 + 3 + 7 = 17

(D) 645 = 6 + 4 + 5 = 15

Option D is the correct odd.

18. (D)   Height

1	Q/P	
2	Q/P	158 cm
3	S	
4	T	
5	R	

There is four person are shorter than Q.

Hence, option D is the correct.

19. (C) T is shorter than S.

20. (D) Q may be 158 or more than 158 cm.

21. (D) 5,   10,   25,   70,   205

    5   15   45   135

    ×3   ×3   ×3

22. (B) 1, 3, 8; 2, 4, 5; 6, 7, 9

23. (D)

24. (B) In 44 times both hands of clock will be straight line.

25. (A) 20 century first day

Mean 1 Jan 1901.

In 1600 odd day = 0. days

1700 odd day = 5 days

1800 odd day = 5 days

1900 odd day = 5 days

Total = 15 days

So, 1 Jan, 1901

= 15 + 1 = 16 (odd day)

= 2 odd day

It will be tuesday.

39 Moct Test

SOLUTION

1. (A)

Y G P B Q U
↓−2 ↓+2 ↓−2 ↓+2 ↓−2 ↓+2
W I N D O W

Similarly

I J N Y Z W
↓−2 ↓+2 ↓−2 ↓+2 ↓−2 ↓+2
G A L A X Y

2. (B) 34, 32, 35, 33, 36, $\boxed{37 = 34}$

+1 +1 +1 (inner)
+1 +1 (outer)

Hence, 37 is wrong term.

3. (A) $72 \div 9 - 3 + 2 \times 19 = 21$

put sign option (A) (+, ×)

$72 \div 9 - 3 + 2 \times 19$

$= 8 - 6 + 19$

$= 2 + 19$

$= 21$

4. (C)

5. (C) D J : H T :: H M : $\boxed{P Z}$

×2 (with ×2 inner)
×2 (with ×2 inner)

6. (C)

7. (C) Total number of cubes obtained

$= \dfrac{16 \times 16 \times 16}{2 \times 2 \times 2} = 512$

The cubes with 2 surfaces painted will be the cubes on the sides except the corner ones.
Therefore face on the top and bottom will have = 24 + 24 = 48 in the front and the back = (12 + 12) = 24 cubes.
The cubes on the other two faces have been covered by the above four.
Therefore, total number of cubes = 48+24=72

8. (D) Point O is in South of point M with the distance of 10 m.

```
K ———6m——— M
|
|5m
6m |
G ——— B ——6m—— L
              |
              |5m
              D
```

9. (B)

Total triangle = 13

10. (D) The new position of from right cannot be determined is the information given in the question is not sufficient.

11. (C) Plant comes in the tree category as plants after growing become tree where as girl growth become a women.

12. (B) All doctors and postgraduates are human livings. Some doctors can be post graduates as well.

13. (C) In figure 1:-

$9 × 5 × 3 → 135 + 15 → 150$

$1 + 5 + 0 → 6$

In figure 2:-

$12 × 16 × 2 → 384 + 96 → 480$

$4 + 8 + 0 → 12 → 1 + 2 = 3$

In figure 3:-

$12 × 7 × 4 → 336 + 21 → 357$

$3 + 5 + 7 → 15 → 1 + 5 = 6.$

14. (C) If 15th January 2018 is Monday, then normal year = 1 odd day

Leap year = 2 odd days

∴ Number of odd days between 2019 to 2025

$= (1 + 2 + 1 + 1 + 1 + 2)$

$= 8$ odd days

$= 1$ week + 1 odd day.

1 odd day means Monday

So, 15th Jan. 2025 is Monday.

15. (A) If 27th May is Sunday then exactly after 27 days it will last sunday of the next month i.e. 24th June.

16. (B) Students 1 will ask notes only by assumping that student 2 has prepared the notes.

17. (B) Recent plane rash at Kozhikode.

airport has raised the concern of security of various airports so, there should we frequant check of the security and safety.

18. (D) 5. Cabalettas   3. Cabalism

4. cabalist   2. cabell

1. Cabezon

19. (A)
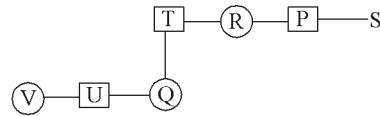
P is maturnal uncle of V.

20. (D) Only conclusion I follows as the statement says that all orgonissd people find time for entertainment and Mahesh in spite of being using finds time for entertainment.

21. (C)
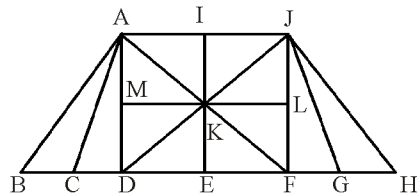
There are 26 triangles in the given figure

22. (C) $1 + 7 + 3 + 6 = 17$

$4 + 1 + 5 + 6 = 16$

$4 + 1 + 3 + 2 = 10$

23. (B) Maruti from the left end of the row = 20th

Honda's postion from the left = $20 + 10 = 30$th

Number of cars in the row = $(30 + 30) – 1$

$= 60 – 1 = 59.$

24. (B)

25. (A)

Father[+]
|
Father[+]══════Wife[-]
|
Payal[-]────Smriti[-]
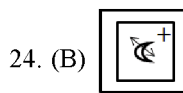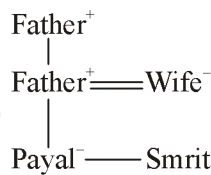
Smriti and Payal are sister.

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40 Moct Test

SOLUTION

1. (A) <u>n</u> mn|n <u>m</u> n|n <u>m</u> n|nm <u>n</u>
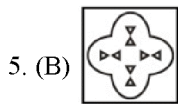
   nmmn

2. (D)
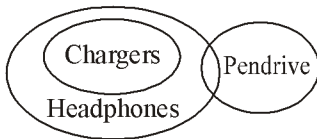
   Either I nor III follows.

3. (A) 255 is not divisible by 4 rest all numbers are divisible by 4.
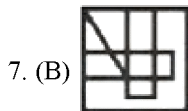
4. (A) $(52, 49, 169) \rightarrow 5 + 2 \rightarrow 7^2 \rightarrow 49$

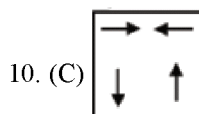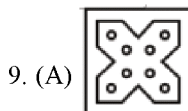 $4 + 9 \rightarrow 13^2 \rightarrow 169$

   Same as

   $(41, 25, 49) \rightarrow 4 + 1 \rightarrow 5^2 \rightarrow 25$

                     $2 + 5 \rightarrow 7^2 \rightarrow 49$

5. (B)

6. (D) The opposite surfaces of the cube will be $(-\bigcirc, \triangle, \square)$, (white, white) and (Black, Black)

7. (B)

8. (B) Cardamom, currin and clones are used in the food for enhancing the taste where as mustard is used for enanching for flower by papping out.

9. (A)

10. (C)

11. (D) 550 : 981 :: 145 : 576

    $5 + 5 + 0 \rightarrow 10$

    $9 + 8 + 1 \rightarrow 18$

    $1 + 4 + 5 \rightarrow 10$

    $5 + 7 + 6 \rightarrow 18$

12. (C) $11 \times 9 \rightarrow 99 \times 2 \rightarrow 198 + 2^2 = 202$

               $(11 - 9) = 2$

       $15 \times 20 \rightarrow 300 \times 2 \rightarrow 600 + 5^2 = 625$

               $(20 - 15) = 5$

       $14 \times 7 \rightarrow 98 \times 2 \rightarrow 196 + 49 = 245$

               $(14 - 7) = 7$

13. (D)

14. (A) 16 : 13 :: 64 : 53

       4×4 16×4

    13 and 53 are prime numbers
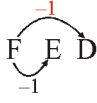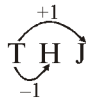
15. (B) Angola : Luanda :: Colombia : ?

    Luanda is capital of Angola and Bogota is the capital of Colombia.

16. (A)

17. (B) Bharatnatyam, odissi and Bhangra all are dance from where as sattriya is community.

18. (C) Nonagon, Hexagon and triangle all given to a figures on the basis of points or corner it has where as altitude is used to measure the height between the given points or objects.
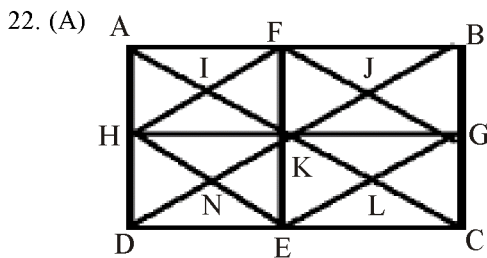
19. (B) (A) Q P R (+1 above, -1 below)   (B) F E D (-1 above, -1 below)

   (C) M L N (+1 above, -1 below)   (D) T H J (+1 above, -1 below)

20. (D) 71, 83 and 89 all the three number are prime numbers where as 81 is divisible.
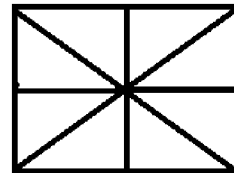
21. (B)
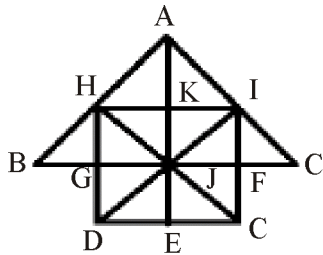
There are 28 triangle and 5 squares.

22. (A)

Total = 44 triangles, 10 squares

23. (D)

Total = 17

24. (D)

Total = 32

25. (A)
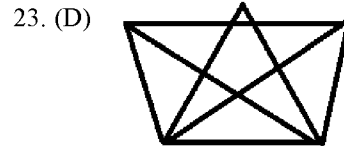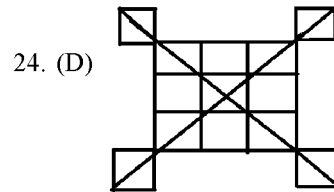
There are 16 triangles in the figure.