EXAMWAR
PUBLICATION

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India's No. 1 Reasoning Teacher

SOLUTIONS
Mock Test (1 to 5)

➤ 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
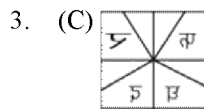
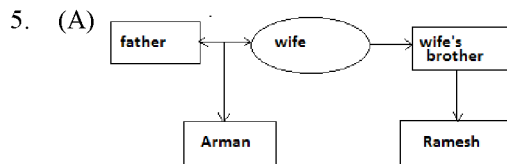*Reasoning in My Blood*

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1
Moct Test

SOLUTION

1. (B) MENDACIOUS means Liar or dishonest and its opposite is truthful.

2. (C) Row- II : A = 1, B = 2, 1 × 2 = 2 = B
   Row-III : D = 4, E = 5, 4 × 5 = 20 = T
   Same as
   Row-I : E = 5, C = 3, 5 × 3 = 15 = O
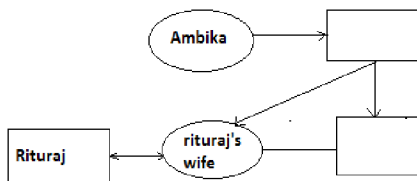
3. (C)

4. (C) 78, 34, 65, 24, 99

5. (A)

   From the diagram, it is clear that Ramesh is the son of Armaan's maternal uncle. So, both of them are cousins.

6. (A) In fig.1, (12 + 8) x (12 – 8) = 20 x 4 = 80
   In fig.2, (16 + 7) x (16 – 7) = 23 x 9 = 207
   Similarly, in fig.3, (25 + 21) x (25 – 21)
   = 46 x 4 = 184

7. (A) Only conclusion I follows.

8. (D)

   Ambika is the sister of rituraj's father-in-law.

9. (D) Neither I nor II follows.

10. (B) Logic: $2^3 + 1^3 + 3^3 = 36$ and,
    $0^3 + 4^3 + 3^3 = 91$
    Similarly,
    $4^3 + 2^3 + 1^3 = 73$

11. (C)

Students	House	Height	Goggles
Anil	Red	Small	Yes
Binu	Red	Small	No
Chirag	Green	Small	Yes
Devi	Green	Long	Yes
Evan	Green	Small	No
Farah	Green	Long	No

12. (B)

Students	House	Height	Goggles
Anil	Red	Small	Yes
Binu	Red	Small	No
Chirag	Green	Small	Yes
Devi	Green	Long	Yes
Evan	Green	Small	No
Farah	Green	Long	No

13. (B)

Students	House	Height	Goggles
Anil	Red	Small	Yes
Binu	Red	Small	No
Chirag	Green	Small	Yes
Devi	Green	Long	Yes
Evan	Green	Small	No
Farah	Green	Long	No

14. (B)

   In the given figure triangles are: ADE, AFG, AHI, ABC, DFO, DOE, OEG, FHM, FMO, ONM, ONG, GNI, HBJ, HJM, MJK, MKN, NKL, NLI, ILC, GKC, EJC, BFK, BDL, JOL, DHN, EMI, GKF.
   Thus, there are 27 triangles in the given figure.

15. (A) From the given options,

Option A:(odd one)

R + 2 → T

T + 3 → W

Option B:

M + 2 → O

O + 2 → Q

Option C:

I + 2 → K

K + 2 → M

Option D:

D + 2 → F

F + 2 → H

16. (B) As the triangle's vertices are touching the center of sides of square which is formed after folding, the triangles that we get after opening the fold will have their vertices touched.

17. (A) Except 781, all others are divisible by 9.
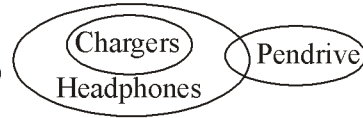
720 ÷ 9 = 80

774 ÷ 9 = 86

891 ÷ 9 = 99

But,

781 ÷ 9 = 86.7

18. (A) The sequence is – nmn

The complete series is – nmn/nmn/nmn/nmn

19. (C)

Either I or II follows.

20. (C) Given :7 @ 2 V 135 & 5 @ 3 & 9 A 1

After converting the signs we get;
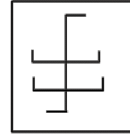
= 7 × 2 – 135 ÷ 5 × 3 ÷ 9 + 1

= 14 – 27 × 1 ÷ 3 + 1

= 6

21. (A) As, $(5+2)^2 = 7^2 = 49$, $(4+9)^2 = 13^2 = 169$

Similarly,

$(4+1)^2 = 5^2 = 25$, $(2+5)^2 = 7^2 = 49$
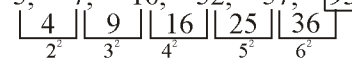
22. (C)

23. (C) Z = 26

DO = 15 + 4 = 19

Similarly

IT = 9 + 20 = 29

24. (B) Opposite faces

A and C opposite = F, E

25. (D)

Logic : square series.

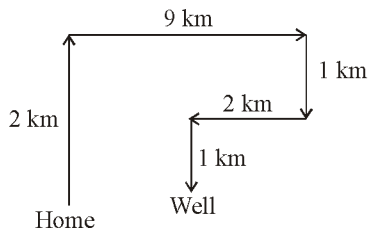## SOLUTION

2 Moct Test

1. (B) Publicity : Sale :: Wound : ?

Publicity gives hike in the sale.
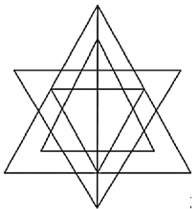
After injury person gets wound and blood comes.

2. (A)

3. (C) Peace Tower, Ottawa, Canada

Peace tower is a famous place of Ottawa, Ottawa is capital of canada.

4. (C) aac<u>c</u>ab<u>c</u>bab<u>c</u>b<u>a</u>accab<u>c</u>bab<u>c</u>b

cbcacb
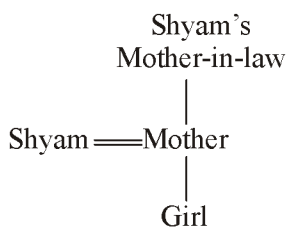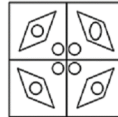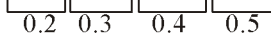
5. (D)

There are 53 triangle in this diagram.

6. (D)   333 − 211 = 122

356 + 122 = 478

7. (B)

Shyam's
Mother-in-law
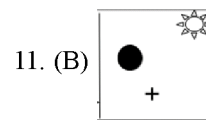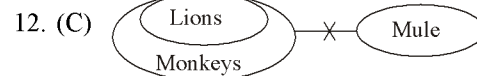|
Shyam ══ Mother
|
Girl

8. (C)

9. (A) [74]   14.8   4.44   1.776   0.888

0.2   0.3   0.4   0.5

10. (D) Stawberries, Orange, Broccoli all are rich in vitamin C.

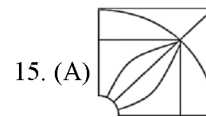Only figs are different.

11. (B)

12. (C)

Lions
Monkeys ——×—— Mule

13. (B) Hand : Finger :: Leg : ?

Fingers on the front of hand.

Toes are the front part containing fingers of legs.

14. (D) If a tragedy happens are person becomes sad and cry. Where tears rolldown.

Row food needs to be cooked and it is definite recipe to cook.

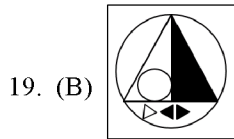15. (A)

16. (A)

Reverse-1   Reverse+1
P L E A S U R E
I G J W J N U Y

Reverse-1   Reverse+1
P R E S S U R E
J G J W J H U G

17. (C) IV, III, I, V, II

18. (D) J O T   H M R   I M R   I N S   D L T
         $\underbrace{}_{+5}\underbrace{}_{+5}$ $\underbrace{}_{+5}\underbrace{}_{+5}$ $\underbrace{}_{+5}\underbrace{}_{+5}$ $\underbrace{}_{+5}\underbrace{}_{+5}$ $\underbrace{}_{+8}\underbrace{}_{+8}$

    Option (D) is odd (because other three are follow pttern)

19. (B)

20. (A) (81, 77, 69)

    81 – 77 = 4,   77 – 69 = 8

    (56, 52, 44)

    56–52 = 4, 52–44 = 8

21. (B) If today is Tuesday then.

    $\dfrac{253}{7} = 36\dfrac{1}{7}$ weeks = 1 odd day

*Tuesday + 1 odd day = Wednesday

22. (D) The hands of a clock point towards each other 11 times in every 12 hour (Because between 5 and 7, they point towards each other only once at 6 'O' clock).

    Therefore, in a day, the hands points 22 times in all, towards each other.

23. (B) Z>Y>W<V

    W < Z = Z > W (Definitely True)

24. (A) P G N, N I U, L K B, J M I, H O P
    $+2 \quad +2 \quad +2 \quad +2$
    $+2 \quad +2 \quad +2 \quad +2$
    $+7 \quad +7 \quad +7 \quad +7$

25. (C) Yes, if agriculture in India be mechanised the that production can be increased. but the statement nowhere says about unemployment.
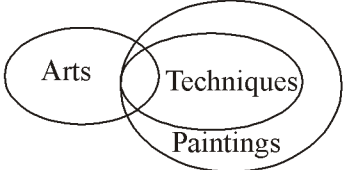
3 Moct Test   **SOLUTION**

1. (C) Given
   DECH : ECFD : : GVSO which means
   D+1=E, E–2=C, C+3=F and H–4=D
   Similarly,
   G+1=H, V–2=T, S+3=V, O–4=K

2. (A) $135 \div 5 + 4 \times 9 - 10 = 107$
   $= 135 \div 5 \times 4 + 9 - 10 = 107$
   $= 27 \times 4 + 9 - 10 = 107$
   $= 108 + 9 - 10 = 107$
   $= 117 - 10 = 107$
   $= 107 = 107$

3. (D) There are total 4 triangles present in the figure.

4. (B) Given
   d a _ b a _ d _ b _ a d
   So, the series is dab/bad/dab/bad

5. (A)

6. (D) Priyanshu is the brother of Sarita and father of Golu. Tina is the wife of Priyanshu, which means Golu is the grandson of Tina's mother in law.

7. (A) Given set
   (13, 18, 22) which means 13+5=18, 18+4=22.
   Similarly, 17+5=22, 22+4 = 26.

8. (B) Given:
   8765 : 11 : : 9252 : 73 : : 4397

   Similarly, 4–3= 1 and 9–7= 2

9. (A) Number of days between the two dates i.e.
   28th August to 19th December = 3 + 30 + 31 + 30 + 19 = 113
   Number of odd days = 113/7 = remainder = 1
   So, day on 19th December = Sunday + 1 = Monday.

10. (D) Fold cannot be formed from the word 'FORMED' because there is no 'L' in the given word.

11. (B) The number opposite to 6 is 2.

12. (C) As, both of them starts from the same point.
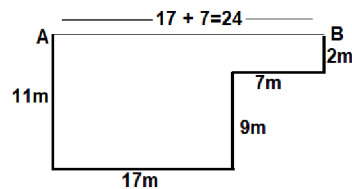
    So, B is now 24m east from A.

13. (A) $1 + 2 + 5 + 7 + 1 + 5 = 24$
    $1 + 0 + 7 + 5 + 6 + 5 = 24$
    $4 + 5 + 4 + 4 + 1 + 6 = 24$

14. (A) Pulsar is 20th from the left end and Apache is 9th to the right of Pulsar which means Apache is 29th from the left and exact middle of the row so, the total number of bikes 28+ 28+ 1 =57.

15. (A) A scored more than Both C and E but less than F.

F > A > C and E

B scored more than F but less than D.

D > B > F > A > C and E

By did not score than maximum marks.

Be can we at any place after D.

16. (B) Given,

Mine work – ftd gtd

His work – ftd ntd (so, work is coded as ftd)

Your mine – htd gtd (so, mine is coded as gtd, his and your coded as ntd and htd respectively)

17. (D) Given series

?, UK6, RI10, ?, LE18

X – 3 = U, U – 3 = R, R – 3 = O, O – 3 = L

M – 2 = K, K – 2 = I, I – 2 = G, G – 2 = E

2 + 4 = 6, 6 + 4 = 10, 10 + 4 = 14, 14 + 4 = 18

18. (C) Given set (78, 12, 59)

(78 ÷ 6) – 1 = 12, (12 × 5) – 1 = 59

All except option (c),

In which (48,7,34)

(48 ÷ 6) – 1 = 7, (7 × 5) – 1 = 34

19. (C) If 'A' is coded as 26,

'SAW' is coded as S(8) + A(26) + W(4) = 38, it means the letter are numbered from the reverse of alphabetical order,

so **'PLOT'** is coded as P(11) + L(15) + O(12) + T(7) = 45.

20. (B) The word 'DECLARE' can't be formed from the word 'SECUNDERABAD' because there is no 'L' in the given word.

21. (D)

4.3   11.8   21.3   37.4   65.7

7.5   9.5   16.1   28.3

22. (D) The number opposite to 1 would be '6'.

23. (C) Second term is the sum of first two digits of the first term.

i.e. Second term = (4 + 9) = 13

Fourth term is the sum of first two digits of the third term.

i.e. Fourth term = (4 + 2) = 6.

Sixth term is the sum of the first two digits of the fifth term.

Sixth term = (6 + 3) = 9.

24. (B) Bullets — Bottles — Brushes —✕— Books

25. (C) Given

6   3   2

8   10   12

4   5   1

14   13   9

The pattern is 6 + (8/2) + 4 = 14, 3 + (10/2) + 5 = 13, similarly, 2 + (12/2) + 1 = 9.

4 Moct Test   # SOLUTION

1. (C)

2. (C) Pentagon stands for Shopkeeper. Star stands for Musician.
Only Shopkeeper - 15
Only Musician - 10
Number of person who are Shopkeeper and Musician = 25 (15 + 10)

3. (B)

| Father | — | Sister |

Father — Wife — Suresh

4. (C) $9 : 81 : 729$
$9 : 9^2 : 9^3$
Similarly
$4 : 16 : 64$
$4 : 4^2 : 4^3$

5. (C)

Bottle, Mirror and Plastic.
Bottle's are made from plastic. Mirror is different

6. (C)

Quad ABIJ, HIGF, HJEG, HCDG, IFCD, JECD, ABEF, ABHK, ABTS, ABQP, ABHK, ABTS, ABQP, FETS, FEPQ, MKPQ, TSPQ, NMTO, NKSO, NLOR, LRSK, LRMP, FEMK, MKTS and IJEF.

7. (D)
M A T E
↓ ↓ ↓ ↓
$13+1+20+5 = 39 + 2 = 41$

L I O N
↓ ↓ ↓ ↓
$12+9+15+14 = 50 + 2 = 52$

Similarly

T R A M
↓ ↓ ↓ ↓
$20+18+1+13 = 52 + 2 = 54$

8. (D) J12A - (10 + 1) = 11 + 1 = 12
A13K - (1 + 11) = 12 + 1 = 13
L17B - (12 + 2) = 14 + 3 = 17
N20M - (14 + 13) = 27 – 7 = 20

9. (B)
A, E, C, I, E, M, G
+2 +4 +2 +4 +2

10. (D) Clock shows time.
Thermometer shows body temperature.

11. (A) $42 ÷ 3 × 5 + 18 – 20 = 68$
$14 × 5 + 18 – 20 = 68$
$70 + 18 – 20 = 68$
$88 – 20 = 68$
$68 = 68$

12. (D) R P T, V T X, Z X B, D B F, H F J,
+2 +2 +2 +2 +2

13. (B) Editor, Author and Proof-reader belongs to a same group. where are doctor is a different profession.

14. (B) According to alphabetical order in the dictionary:-
II, III, IV, V, I

15. (C) Elegy - A poem of serious reflection, typically a lament for the dead.
Epic a long poem,
Fable - a supernatural story incorporating

elements of myth and legend.
Balled - squeeze or form into a rounded shape.
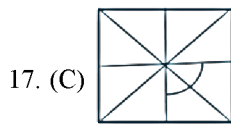
16. (C) A > E - False (A = B > C > D = E - No relation)

A = E - False (A = B > C < D = E - No relation)

Conditions:

1. There should be all three symbols (>, <, =) in between.

2. Both the conclusion should be false.

3. The elements should be same in the conclusion.

17. (C)

18. (B) K > Q - False (K < O - K < O)

K < Q - True (K < O = P < Q - K < Q)

Only conclusion II is true.

19. (D) A number of leap year between

2011 and 2021 = 2012, 2016, 2020.

So, the number of odd days in leap year = 2

Number of odd days in rest year = 1.

Hence, number of odd days =

(2 + 1 + 1 + 1 + 2 + 1 + 1 + 1 + 2 + 0) = 12 days.

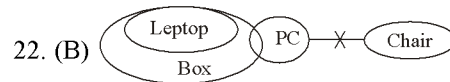So, 4 march 2011 will be - Friday = 12 days.

= Monday.

20. (D) In order to coincide the minute hand has to gain 30 minutes space. Now 55 minutes are gained by minute hand in 60 minutes.

30 minutes will be gained in $= \dfrac{60}{55} \times 30$

$\dfrac{36}{11} = 32\dfrac{8}{11}$ minutes.

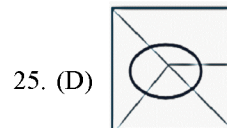So, hands will concide at $= 32\dfrac{8}{11}$ part 6.

21. (B) 2 and 3 both are on the sides where 1 will be opposite to 4.

22. (B)

Only II follows.

23. (B) 125, 128,   132,   137,   143,   150
        +3   +4   +5   +6   +7

24. (B)

L A P T O P   R E V O K E
L A P P O T   V E R E K O

25. (D)

5 Moct Test

SOLUTION

1. (A)

$$F \quad L \quad O \quad W \quad E \quad R$$
$$\downarrow_{+2} \quad \downarrow_{-3} \quad \downarrow_{+4} \quad \downarrow_{-5} \quad \downarrow_{+6} \quad \downarrow_{-7}$$
$$H \quad I \quad S \quad R \quad L \quad L$$

Similarly

$$H \quad O \quad N \quad E \quad Y$$
$$\downarrow_{+2} \quad \downarrow_{-3} \quad \downarrow_{+4} \quad \downarrow_{-5} \quad \downarrow_{+6}$$
$$J \quad I \quad R \quad Z \quad E$$

2. (A) $93 - (63 + 27) = 93 - 90 = 3$

$79 - (38 + 37) = 79 - 75 = 4$

$67 - (16 + 42) = 67 - 58 = 9$

3. (B) The pattern here is-

Value of reverse alphabet is sumed then, (consonant sum-vowels sum).

P L U M - $(11 + 15 + 14) - 6$

$\qquad = 40 - 6 = 34$

S H A R E - $(8 + 19 + 9) - (26 + 22)$

$\qquad = 36 - 48 = 12$

SHARP - $(8 + 19 + 9 + 11) - 26$

$\qquad = 47 - 26 = 21$

4. (C) $\sqrt[3]{2197} \times 5 - 64 \div 6 = 343 \div 7 \div 48 \times \dfrac{1}{8}$

$\Rightarrow \quad \sqrt[3]{2197} \times 5 - 48 \div 6 = 343 \div 7 \div 64 \times \dfrac{1}{8}$

$\Rightarrow \quad 13 \times 5 - \dfrac{48}{6} = \dfrac{343}{7} + 8$

$\Rightarrow \quad 65 - 8 = 57$

$\Rightarrow \quad 57 = 57$

We change **64 to 48**.

5. (B) Macrobiosis, Macrobiotic, Macroblast, Macrocardia, Macrocode.

iv, ii, iii, v, i

6. (D) After publicity the result is like in sales.

After on injury the result is person gets wo and blood comes out.
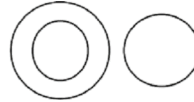
7. (C) Triangle - Dancer

Square - Singers

Circle - Comedians

Rectangle - Instrumentalists

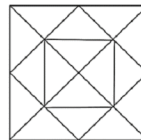The area where all three except singers lives is 9.

8. (B)

Service tax is atype of indirect tax where as wealth tax is direct tax.

9. (C) ef g h|h̲ gfe |g hef| f̲ ehg |efg h̲
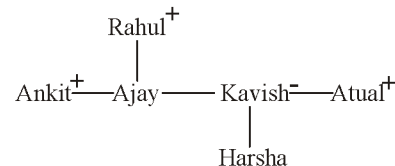
ghgfh

10. (B)

Single = 16

Double = 8

Triple = 4

large = 4

Total = 32

11. (B)

```
            Rahul +
              |
Ankit +—Ajay———— Kavish =—Atual +
                     |
                  Harsha
```

Atual is son-in-law of Rahul.

12. (D) $85 \times 0.5 + 0.5 = 43$
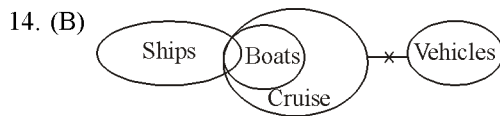
   $43 \times 1 + 1.5 = 44.5$

   $44.5 \times 1.5 + 2.5 = 69.25$

   $69.25 \times 2 + 3.5 = 142$

   $142 \times 2.5 = 4.5 = 359.5$

13. (B) Sodium, Potassium and Magnesium are metals whereas carbon are non-metals.

14. (B)

   Only II follows.

15. (D) If we will open the cube it will appear.

   The pair will be $(3, 5)$ $(1, 6)$ and $(2, 4)$ facing opposite.

16. (D) If today is wednesday, then after $\dfrac{104}{7}$ days

   = 14 week 6 odd days.

   So, wednesday + 6 odd days = Tuesday

17. (C) There is difference of 25 minutes between hour hand and minutes hand.

   In order to coincide it has to gain 25 minutes spaces.

   Now, 55 minute is gained by minute hand in 60 minute.

   25 minute will be gained in

   $\dfrac{60}{55} \times 25 = 27\dfrac{3}{11}$ minute

   So, the hands will coincide at $27\dfrac{3}{11}$ minute part 5.

18. (D) (A) P > Q = R = S - P > S

   (B) S = R = Q < P - P > S

   (C) R = P > Q = S - P > S

   (D) S > Q = R < P - No relation.

19. (A)

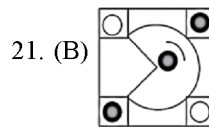| 14	15	16	17	18	19	20	21	22	23	24	25	26
A	B	C	D	E	F	G	H	I	J	K	L	M
Z	Y	X	W	V	U	T	S	R	Q	P	O	N
13	12	11	10	9	8	7	6	5	4	3	2	1

   S T R A W B B E R R Y
   ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓
   6 7 5 14 10 15 15 18 5 5 12

20. (B) E F H S
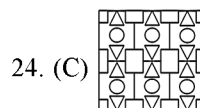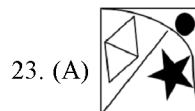   5 + 6 + 8 = 19

   U G L O **N**
   21 + 7 + 12 = ⑮ **14**

   J B E P
   9 + 2 + 5 = 16

   T C L I
   20 + 3 + 12 = 9

21. (B)

22. (A) Yes, it is important steps in this direction. If murders will be given strict prinishments then, it may reduce the cases of murders.

23. (A)

24. (C)

25. (B) Only II follows.