



Deepak Tirthyani

India's No. 1 Reasoning Teacher



SOLUTIONS **Mock Test (21 to 25)**

- 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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21
Moct Test

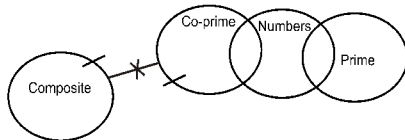
SOLUTION



1. (C) Logic \rightarrow Consonant - 1, Vowel + 5
As,

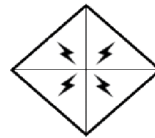
$$\begin{array}{l|l} \text{Similarly,} & \\ \hline T - 1 = S & X - 1 = W \\ O + 5 = T & T - 1 = S \\ R - 1 = Q & E + 5 = J \\ Q - 1 = P & N - 1 = M \end{array}$$

2. (B)

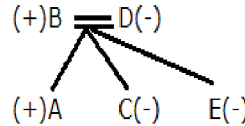
**Explanation**

- I. Some prime can be composite. (true, because possibility happens)
II. Some composite are not prime. (false, because all composite number we can placad in prime numbers)
3. (C) First and last letter remain same. The others interchange their positions in pair of two. So, NL becomes LN IN becomes NI so code of ONLINE will be OLNNIE.
4. (D) After interchanging the signs \times and $+$ we have
 $(20 \times 3) + 6 \times 8 - 32 = 76$
 $60 + 48 - 32 = 76$
 $60 + 16 = 76$
 $76 = 76$
5. (A) As,
 $15^2 = 225 \rightarrow \text{reverse} \rightarrow 522$
 Similarly
 $17^2 = 289 \rightarrow \text{reverse} \rightarrow 982$
6. (D) Except option (D), all follow the logic given below.
 $(\text{First number})^2 + 4 = \text{Second number}$

7. (C) Here the rest three follows the same pattern except (V - L),
 Logic: first alphabet/2 = second alphabet
 So, $R(18) = 18/2 = 9(I)$
 $Z(26) = 26/2 = 13(M)$
 $X(24) = 24/2 = 12(L)$
 But,
 $V(22) = 22/2 = 11$ should be K instead of L.
8. (B) As it is punched in a semi-square manner and then again it gets punched. So, when we open it up there will be figure as shown in option(B).

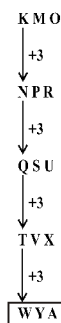


9. (B) As per the given information;



{Note: here (-) signs indicates female and (+) sign indicates male}.

10. (A) The pattern is -
 $- 45, - 35, - 25, \dots$
 i.e. $125 - 45 = 80$
 $80 - 35 = 45$
 $45 - 25 = 20$
 So, missing term = $20 - 15 = 5$.
11. (D) The series will be,

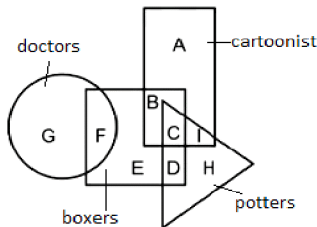


So ? = WYA

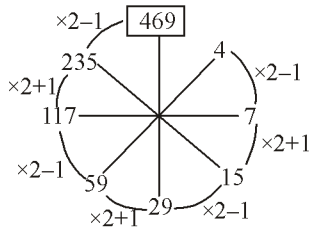
12. (D) After carefully observing the figures given in the question, it is very clear that the question figure is embedded in answer figure (D). It is shown as given below:



13. Here, FED is the set of letters that represents the area which shows that boxers who are not cartoonists.



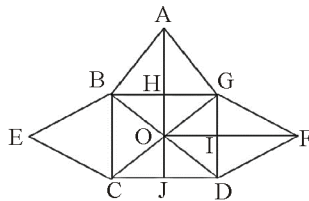
14. (A)



Logic : $(\times 2 + 1, \times 2 - 1)$

15. (D) All except pearl are different forms of Carbon. A pearl is a hard, glistening object produced within the soft tissue of a living shelled mollusc.

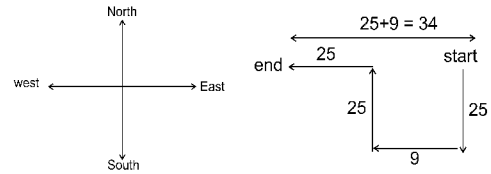
16. (B)



Triangles are: ABG, AHB, AHG, GFD, GIF, IFD, EBC, OBG, OHB, OHG, OCD, OJC, OJD, CGD, CBG, GBD, BCD, OGF, OFD, OAG, OAB, OBC, OGD, OIG, OID.

There are 25 triangles in the following figure.

17. (D) following diagram can be drawn:



from the above figure, distance between his initial and final point = $25 + 9 = 34$ km

18. (A) Ashiwini's position from the left end = $15 + 6 = 21^{\text{st}}$

Ashiwini's position from right end = Total boys position from left end + 1

Ashiwini's position from right end = $37 - 21 + 1 = 17^{\text{th}}$

19. (D) Here the pattern of coding is; look for the common number of letters to separate them from uncommon numbers.

just - 9

go - 4

top - 8

hot - 5

pot - 6

rusk - 2

Thus, the code of 'just' is 9.

20. (A) The pattern is:

$$22 - 7 = 15$$

$$37 - 22 = 15$$

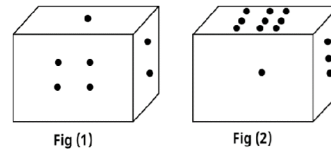
$$52 - 37 = 15$$

$$? - 52 = 15$$

$$? = 15 + 52$$

$$? = 67$$

21. (A)



The side contains 2 dots is common in fig(1) and fig(2).

Therefore, the sides contain 3, 4, 1 and 6 dots will be consecutive side face of the side which contain 2 dots.

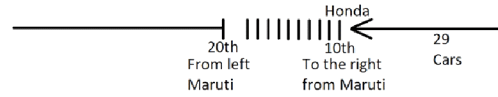
So, the side contains 5 dots will be opposite to the side contains 2 dots.

22. (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 the reflection of substances such as a mirror or water.



23. (A) The logical order is following steps of harvesting of crop:
 3. Seed sowing
 1. Irrigation
 4. Crop growth
 5. Fertilizing
 2. Harvesting
24. (A) Red (because yellow is called red)
25. (C) According to Question
 Monday + After Twodays → Wednesday
 So, 5th date → Wednesday
 19th date - 1 = 18th date → ?
 Now Odd Days = $\frac{18-5}{7} = \frac{13}{7} R(6)$
 So, Wednesday + 6 = **Tuesdays**
26. (C) Total Triangle = 26
27. (C) $17 * 36 = 17 = 1 + 7 + 3 + 6 = 17$
 $41 * 56 = 16 = 4 + 1 + 5 + 6 = 16$
 $41 * 32 = 4 + 1 + 3 + 2 = 10$

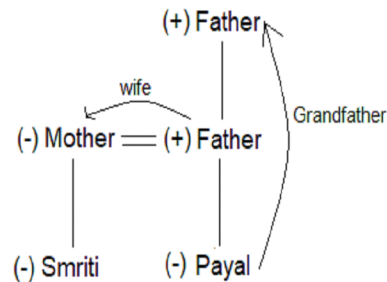
28. (B)



29. (B) Here the element in the center of the figure is moving 90° in clockwise direction while the 'plus' sign changes its position diagonally opposite in each alternate step. So, after carefully observing the figures given in the question, it is very clear that the answer figure (B) will be the next figure.



30. (A)



According to the above diagram;

Father of Payal's father means Grandfather of Payal.

Smriti is the daughter of the wife of Payal's Grandfather's only son, i.e. father of Payal.

Therefore, Smriti is the sister of Payal.

Deepak sir Social Media



Telegram



Facebook



Instagram



YouTube



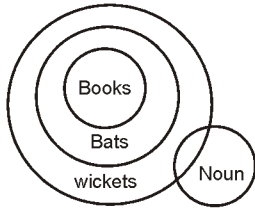
Twitter

22
Mock Test

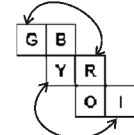
SOLUTION



1. (D)



2. (B)



Opposite face

G B I
I I I
R O Y

3. (D)

My Name is khan → 2 3 8 ⑥
Say the Name → 1 4 ⑥
Say the khan → ?
Say the khan → 148

4. (B) Riya > Priya > Janvi > Ritika > Mohan
Riya run fastest among the five

5. (A) MENDACIOUS means Liar or dishonest and its opposite is truthful.

6. (A) 8 B 31 C4 D7 A16

$$8 - 31 + 49 \div 7 \times 16$$

$$8 - 31 + 7 \times 16$$

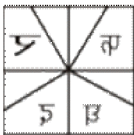
$$8 - 31 + 112$$

$$120 - 31$$

$$89$$

7. (C) x y z z y x / x y z z y x

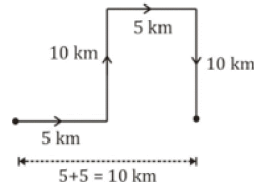
8. (C)



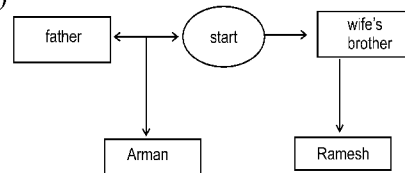
9. (D) Boxing is odd because other three game are playing in outdoor.

10. (C) GREEN-78, 34, 65, 24, 99

11. (A)



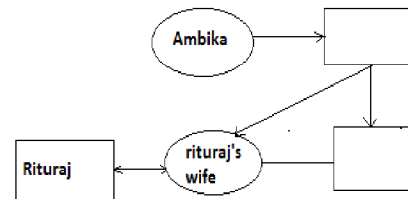
12. (A)



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

13. (A) In fig. 1, $(12 + 8) \times (12 - 8) = 20 \times 4 = 80$ In fig. 2, $(16 + 7) \times (16 - 7) = 23 \times 9 = 207$ Similarly, in fig. 3, $(25 + 21) \times (25 - 21) = 46 \times 4 = 184$ 14. (D) abaccdd|ababcccd|ababcccd|
caccdd

15. (D)



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

16. (B) Logic:

$$2^3 + 1^3 + 3^3 = 36 \text{ and,}$$

$$0^3 + 4^3 + 3^3 = 91$$

Similarly,

$$4^3 + 2^3 + 1^3 = 73$$

17. (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

18. (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

19. (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

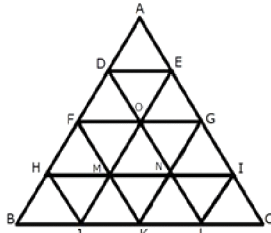
20. (A) $12.5 \div 2 = 6.25$

$$7 \div 2 = 3.5$$

21. (A) $30 : 42 :: 72 : ?$

$$5 \times 6 : 6 \times 7 :: 8 \times 9 : 9 \times 10 = 90$$

22. (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.

23. (A) From the given options,

Option A: (odd one)

$$R + 2 \rightarrow T$$

$$T + 3 \rightarrow W$$

Option B:

$$M + 2 \rightarrow O$$

$$O + 2 \rightarrow Q$$

Option C:

$$I + 2 \rightarrow K$$

$$K + 2 \rightarrow M$$

Option D:

$$D + 2 \rightarrow F$$

$$F + 2 \rightarrow H$$

24. (B) Acc. to Question

$$W + 2 \rightarrow Y$$

$$H + 4 \rightarrow L$$

$$K + 6 \rightarrow Q$$

$$P + 8 \rightarrow 24$$

similarly,

$$M + 2 \rightarrow O$$

$$F + 4 \rightarrow J$$

$$R + 6 \rightarrow X$$

$$J + 8 \rightarrow R$$

25. (A) Except 781, all others are divisible by 9.

$$720 \div 9 = 80$$

$$774 \div 9 = 86$$

$$891 \div 9 = 99$$

But,

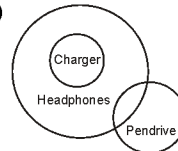
$$781 \div 9 = 86.7$$

26. (A) The sequence is – nmn

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

Hence, option A is the correct response.

27. (D)



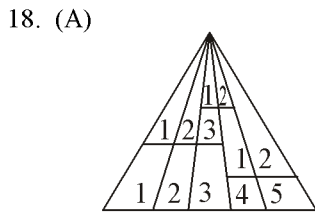
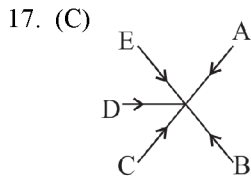
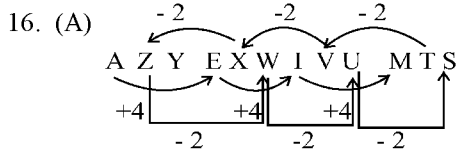
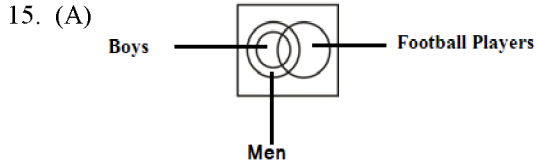
28. (A) 255 is a odd number Rest all are even numbers.

29. (A) As, $(5+2)^2 = 7^2 = 49$, $(4+9)^2 = 13^2 = 169$ Similarly, $(4+1)^2 = 5^2 = 25$, $(2+5)^2 = 7^2 = 49$

30. (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.



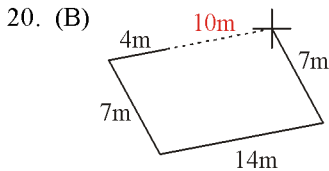
14. (C) dna/nad/adn/dna/nad



$1 + 2 + 3 + 4 + 5 = 15$
 $1 + 2 + 3 = 6$
 $1 + 2 = 3$
 $1 + 2 = 3$
 Total = 27

19. (C) 7, 15, 31

$\frac{7}{2+1} \times \frac{15}{2+1}$
 Similarly
 $\frac{3}{2+1} \times \frac{7}{2+1}$



21. (B)

I	C	O	N	S	E
2	3	1	0	4	5

SENSE

45045

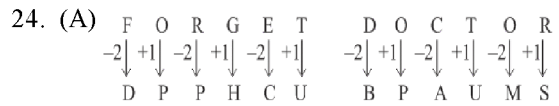
22. (C)

B **(L)** A N D

L is not present in the given word.

23. (D)

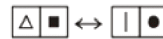
5 10 17 26 37 **50**
 $2^2 + 1$ $3^2 + 1$ $4^2 + 1$ $5^2 + 1$ $6^2 + 1$ $7^2 + 1$



25. (C) Only in the figure of option C, the question figure is hidden.



26. (A)



27. (B) The figure of option (B) will complete the question figure.

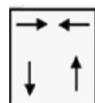


28. (B) All except mustard are spices.

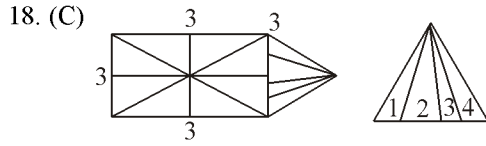
29. (A) When the paper is unfolded, the figure is shown as.



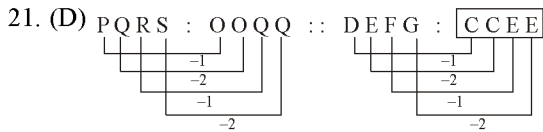
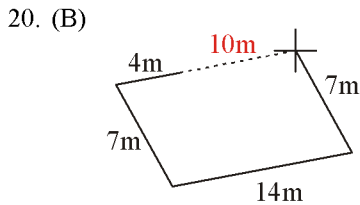
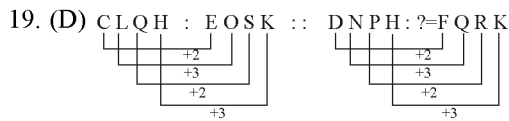
30. (C) In mirror image, left side goes on right side and right side goes on left side.



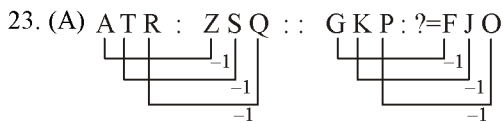
17. (C) $wax|wax|wax|wax|wax$
(a a w w x x)



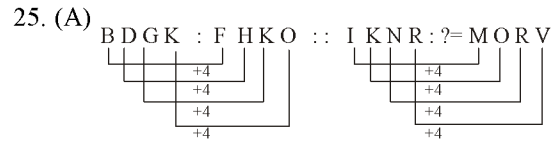
$1 + 2 + 3 + 4 = 10$
 $3 + 3 + 3 + 3 = 12$
 Large triangle = 4
 Total = 26.



22. (A) $65 : 30 :: 78 : 56$
 $6 \times 5 = 30$, same as $7 \times 8 = 56$
 $? = 56$



24. (A) India : Lotus :: Hongkong : ?
 India is National flower is "Lotus"
 Same- Hongkong National flower is "Bauhinia"



26. (D) $550 : 981 :: 145 : ?$

$550 : 981$
 diff. +431

Similarly

$145 : 576$
 diff. +431

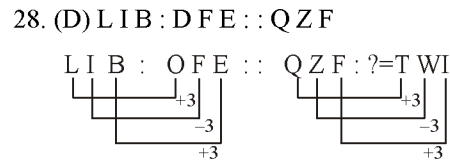
27. (C)

11	- 11 ² = 121
9	- 9 ² = 81
202	- 121 + 81 = 202

15	- 15 ² = 225
20	- 20 ² = 400
625	- 225 + 400 = 625

Similarly

14	- 14 ² = 196
7	- 7 ² = 49
?	- 196 + 49 = 245



29. (A) $\sqrt{16} = 4$
 $\downarrow -1$
 $3, 3^2 + 4 = 13$

$\sqrt{64} = 8$
 $\downarrow -1$
 $7, 7^2 + 4 = 53$

30. (B) Angola : Luanda :: Colombia : ?
 Luanda is a part of Angola and Bogota is a part of Colombia.

Deepak sir Social Media



Telegram



Facebook



Instagram



YouTube



Twitter

25
Moct Test

SOLUTION



1. (D) Cricket, Baseball, Hockey are out door game and Boxing is indoor game.

so boxing are odd one.

2. (B) France currency is Euro.

Similarly. Belgium currency is Euro.

3. (A) B D G K : F H K O :: I K N R : M O R V

4. (A) 243 : 819 :: 163 : ?

$$2 \times 4 \times 3 = 24$$

$$24 \times 24 = 576$$

$$576 + 243 = 819$$

According to this,

$$1 \times 6 \times 3 = 18,$$

$$18 \times 18 = 324$$

$$324 + 163 = 487.$$

5. (A) B Y N : F U R :: A X L : E T P

6. (C) 1728 : 12 :: 21952 : ?=28

$$(12)^3 = 1728$$

$$(28)^3 = 21952$$

7. (B) DIPHTHERIA is caused by BACTERIA.

PROTOZOA is a caused to MALERIA

8. (D) X I J : C R Q :: E L Y : V O B

Opposite place value Opposite place value

9. (C) 263 : 362 :: 451 : ?

$$262 = 362 \text{ (Just Revers Number)}$$

$$451 = 154 \text{ (Just Revers)}$$

10. (C) P L A N : R J C L :: T R A M : V P C K

11. (A) 39 : 94 :: 81 : ?

$$39 = 93 = 93 + 1 = 94$$

$$81 = 18 = 18 + 1 = 19 \quad [\text{Reverse} + 1]$$

12. (A) Pen : ink : Tyre : ?

Pen filling with ink

Tyre filling with Air.

13. (C) L P U : Q K P :: G J S : L E N

14. (D) Study of Blood – Haematology.

Similarly study of Food – Bromatology.

15. (B) 4913 is cube of '17'.

Same 12167 is cube of '23'.

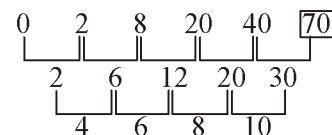
16. (B) 'Animal' is part of Biology.

and 'GDP' is part of Economics.

17. (D) X I J : C R Q :: E L Y : V O B

Opposite place value Opposite place value

18. (A) 0, 2, 8, 20, 40, ?



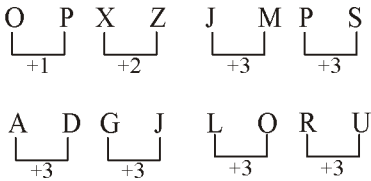
19. (C) Imrankhan is currently P.M of Pakistan and formar cricketer.

other three are cricketer.

20. (D) 123 is a divisible number. by (3 and 41)

(other three are not divisible number)

21. (D)



22. (C) Anuj + mother age = 33

Father age = 40

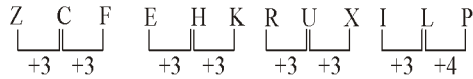
Mother 8 yrs younger than father

Mother age = 40 - 8 = 32

Anuj age = 33 - 32 = 1

Anuj age = 1

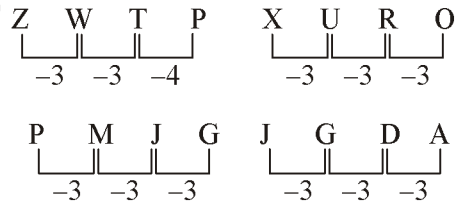
23. (C)



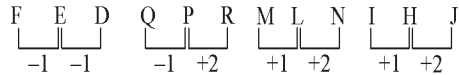
24. (D) Noida, Agra, Meeruth are city of "Uttar Pradesh" and "Bhopal" is capital of "Madhya Pradesh".

25. (A) Chess (is a none movement game)
other three are moment game

26. (A)

27. (B) "Kshattriya is cast of General
other are folk Dance.28. (C) Altitude - is called height of triangle
(other three option are polygone)

29. (B)

30. (D) 81 is divisible by (3, 9, 27)
other three option are not divisible.

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