

Reasoning Mega Quiz SSC CGL (Advanced Level) 05.01.2020 (Solutions)

S1.Ans.(a);

Sol. Each letter moves – 3 steps in the alphabetical order.

S2.Ans. (a)

Sol.

$$4 + 7 = 6 + 5 = 11$$

$$5 + 9 = 9 + 5 = 14 \text{ so, ans is } 95.$$

S3.Ans. (b)

Sol. Love is opposite of hate, so charlatan is opposite of Wizard.

S4. Ans. (d);

Sol. Except Agra, all others are mountain places.

S5. Ans. (a)

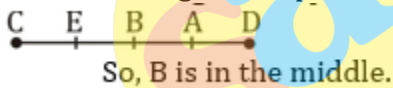
Sol. The number 49 is a perfect square.

S6. Ans. (b)

Sol. There is a vowel in the letter group XRMIF

S7. Ans. (b);

Sol. According to the question, the sitting arrangement will be



S8. Ans. (d);

Sol.

Logical arrangement of words is

Encoding → Sending → Receiving → Decoding.
 2 1 3 4

S9. Ans. (a);

Sol.

$$\text{As, } 7, 2 \Rightarrow (7 - 2); (7 + 2) \Rightarrow 59$$

$$5, 3 \Rightarrow (5 - 3); (5 + 3) \Rightarrow 28$$


$$9, 1 \Rightarrow (9 - 1); (9 + 1) \Rightarrow 810$$

$$\text{and } 2, 1 \Rightarrow (2 - 1); (2 + 1) \Rightarrow 13$$

$$\text{Similarly, } 5, 4 \Rightarrow (5 - 4); (5 + 4)$$

$$\Rightarrow 19$$

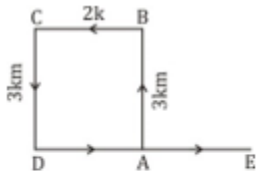
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S10. Ans. (a)

Sol. The movements of Rohan are as shown in given figure.



(A to B, B to C, C to D and D to E).

Clearly, $AD = BC = 2 \text{ km}$

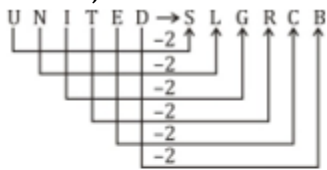
So, required distance = AE

$$= (DE - AD)$$

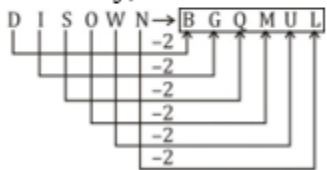
$$= (3 - 2) \text{ km} = 1 \text{ km}$$

S11. Ans.(a);

Sol. As,



Similarly,



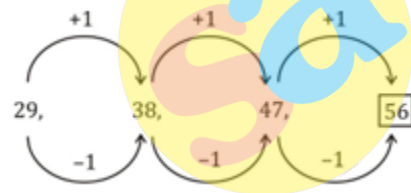
S12. Ans. (c):

Sol. In the first row, $8 \times 2 + 17 = 33$, in the second row, $12 \times 2 + 5 = 29$.

Missing number = $10 \times 2 + 13 = 33$.

S13. Ans. (b);

Sol.



So, the correct alternative is 56.

S14. Ans. (c)

Sol.

First Letters:

Q $\xrightarrow{+2}$ S $\xrightarrow{+2}$ U $\xrightarrow{+2}$ W $\xrightarrow{+2}$ Y

Second letters:

1 $\xrightarrow{*1+1}$ 2 $\xrightarrow{*2+2}$ 6 $\xrightarrow{*3+3}$ 21 $\xrightarrow{*4+4}$ 88

Third letters:

F $\xrightarrow{-1}$ E $\xrightarrow{-1}$ D $\xrightarrow{-1}$ C $\xrightarrow{-1}$ B

S15. Ans. (a)

Sol.



S16. Ans. (b):

Sol. From the two views of the dice, it is clear that 2 lies opposite 4.

S17. Ans. (d);

Sol. Order of ranking of heights in the question is of variable nature on account of rank of Harish as Amar-Rakesh-Harish-Mukesh-Suresh.

Therefore, it cannot be determined who will be the shortest.

S18. Ans. (b):

Sol. Using the correct symbols, we have:

Given expression = $30 \div 2 + 3 \times 6 - 5 = 15 + 18 - 5 = 28$.

S19. Ans. (c)

Sol. Let Varun's age today = x years. Then, Vaurn's age after 1 year = $(x + 1)$ years.

$x + 1 = 2(x - 12) \leftrightarrow x + 1 = 2x - 24 \leftrightarrow x = 25$.

S20. Ans. (C):

Sol.

Since B and D are twins, so $B = D$.

Now, $A = B + 3$ and

$A = C - 3$.

Thus, $B + 3 = C - 3 \leftrightarrow D + 3 = C - 3 \leftrightarrow C - D = 6$.

S21. Ans. (c);

Sol.

Let the present age of P = $9x$ and Q = $4x$

A.T.Q. $\Rightarrow 9x - 4x = 20$

$5x = 20$

$x = 4$

\therefore Age of P = $9 \times 4 = 36$

Age of Q = $4 \times 4 = 16$

After 10 years, age of

P = $36 + 10 = 46$

Q = $16 + 10 = 26$

\therefore Sum of their ages = $46 + 26 = 72$

S22. Ans. (c);

Sol. 'SEASON'; There is no double 'S' in the given word.

S23. Ans.(a);

Sol.

$$\text{PUNISHED} = (16 + 21 + 14 + 9 + 19 + 8 + 5 + 4) \times 3 = 288$$

$$\text{TAILOR} = (20 + 1 + 9 + 12 + 15 + 18) \times 3 = 225$$

Similarly,

$$\text{RELEASED} = (18+5+12+5+1+19+5+4) \times 3 = 69 \times 3 = 207$$

S24. Ans.(c);

Sol.

$$15 \div 3 \times 4 = 20$$

$$\Rightarrow 5 \times 4 = 20$$

$$\Rightarrow 20 = 20$$

S25. Ans. (d);

Sol.

$$19^2 - 7^2 = 312$$

$$23^2 - 9^2 = 448$$

$$31^2 - 11^2 = 840$$

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