

Reasoning Mega Quiz for SSC CHSL (Solutions)

S1. Ans.(b)

Sol. Sum of digits. = 2nd no.

S2. Ans.(b)

Sol. 15 : ?

$$1 + 5 = (6)^2$$

$$(6)^2 = 36$$

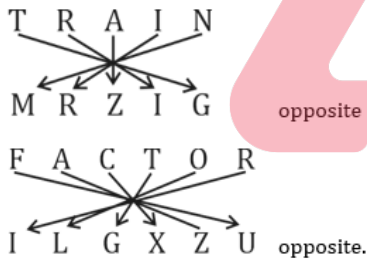
24 : ?

$$2 + 4 = 6$$

$$(6)^2 = 36.$$

S3. Ans.(b)

Sol.



S4. Ans.(a)

Sol. $(4)^2 + 1 = 17$

$$(4^3) + 1 = 65$$

S5. Ans.(c)

Sol.

$$\begin{array}{c} 2 \leftarrow 3 \rightarrow \boxed{5} \\ 1 \leftarrow 3 \rightarrow \boxed{4} \end{array}$$

S6. Ans.(d)

Sol.

$$1^{\text{st}} \text{ no.} = (1 + 2) + 2.$$

So this sequence not follow .(d)

$$1^{\text{st}} \text{ no} = \text{sum of digit of } 2^{\text{nd}} + 2.$$

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S7. Ans.(d)

Sol. All three are multiple of 17 except 361.

S8. Ans.(c)

Sol.

$$\begin{aligned} 2^1 + 1 &= \frac{1}{3} \\ 2^2 + 1 &= \frac{2}{5} \\ 2^3 + 1 &= \frac{3}{9} \\ 2^4 + 1 &= \frac{4}{17} \\ 2^5 + 1 &= \frac{5}{33} \end{aligned}$$

S9. Ans.(b)

Sol.

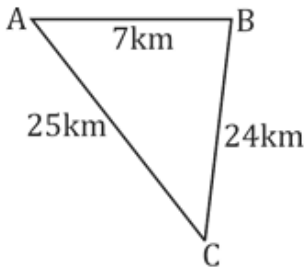
$$\begin{aligned} 5^2 + 1 &= 26 \rightarrow Z \\ 4^2 + 1 &= 17 \rightarrow Q \\ 3^2 + 1 &= 10 \rightarrow J \end{aligned}$$



S10. Ans.(d)

S11. Ans.(a)

Sol.



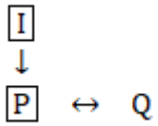
S12. Ans.(c)

Sol.

$$\begin{aligned} (5 \rightarrow 5^2 - 5 \rightarrow 5^2 + 5) \\ (5, 20, 30) \\ \text{Same as } (7, 42, 56) \end{aligned}$$

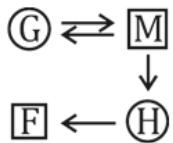
S13. Ans.(d)

Sol.



S14. Ans.(a)

Sol.



S15. Ans.(d)

S16. Ans.(a)

Sol.

$2 \rightarrow 1 \rightarrow 5$
 $2 \rightarrow 4 \rightarrow 3$
5 is opposite to 3.

S17. Ans.(d)

Sol. Except (d) all are pythagoras triplets.

S18. Ans.(c)

S19. Ans.(a)

Sol.

$3 \times 3 \times -1 = 8$
 $8 \times 3 + 1 = 25$
 $25 \times 3 - 1 = 74$
 $74 \times 3 + 1 = 223$

S20. Ans.(c)

S21. Ans.(d)

Sol.

$D+M+J = 4 + 13 + 10 = 27$
 $F+P+E = 6 + 16 + 5 = 27$
 $R + C + F = 18 + 3 + 6 = 27$
 $A + S + J = 1 + 19 + 10 = 30$

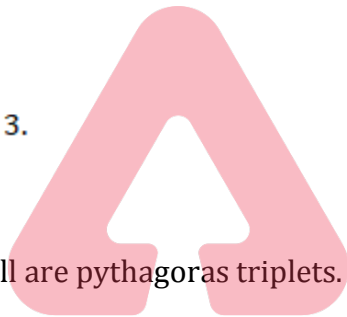
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S22. Ans.(c)

Sol.

$$2 \times 10 = 20$$

$$2 \times 5 \times 7 = 70$$

$$20 \times 1 \times 5 = 100$$

S23. Ans.(c)

Sol. Ohm is the SI unit of Resistance similarly Tesla is the SI unit of Magnetic field

S24. Ans.(c)

S25. Ans.(b)

Sol.

$$5 - 2 + 7 \times 3 = 8 \times 3 + 3 - 3$$

$$3 + 21 = 24$$

$$24 = 24$$

S26. Ans.(c)

S27. Ans.(d)

S28. Ans.(b)

Sol. A had given more auditions but result are not known while B had given more performance that means B is preferred over A.

So B is sufficient to conclusion.

S29. Ans.(b)

Sol.

$$\begin{array}{r} 43 \longrightarrow 16 \quad 9 \\ \underbrace{\hspace{1.5cm}}_{4^2 \quad 3^2} \end{array}$$

$$\begin{array}{r} 52 \longrightarrow 25 \quad 4 \\ \underbrace{\hspace{1.5cm}}_{5^2 \quad 2^2} \end{array}$$

$$\begin{array}{r} 41 \longrightarrow 16 \quad 1 \\ \underbrace{\hspace{1.5cm}} \end{array}$$

$$\begin{array}{r} 24 \longrightarrow 4 \quad 16 \\ \underbrace{\hspace{1.5cm}} \end{array}$$

S30. Ans.(c)



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