

Reasoning Sunday Mega Quiz for SSC CGL – (Solutions)

S1. Ans.(d)

Sol.

$$18 \times 5 = 90$$

$$13 \times 11 = 143$$

$$7 \times 5 = 35$$

S2. Ans.(c)

Sol.

$$(9 \times 5)/3 = 15$$

$$(12 \times 7)/4 = 21$$

Similarly,

$$(12 \times 16)/2 = 96$$

S3. Ans.(c)

Sol.

$$16 \times 2 - 14 = 18$$

$$8 \times 4 - 7 = 25$$

$$? \times 5 - 4 = 26$$

$$? = 6$$

S4. Ans.(d)

Sol.

$$15 \times 12 - 13 = 167$$

$$18 \times 13 - 13 = 221$$

$$\text{similarly, } 16 \times 12 - 13 = 179$$

S5. Ans.(b)

Sol.

Consecutive terms table

$$\rightarrow$$

$$4 \rightarrow 5 \rightarrow 6 \rightarrow 7$$

↓

$$5 \rightarrow \textcircled{6} \rightarrow 7 \rightarrow 8$$

↓

$$6 \rightarrow 7 \rightarrow 8 \rightarrow 9$$

↓

$$7 \rightarrow 8 \rightarrow 9 \rightarrow \textcircled{10}$$

$$a - b = -4$$

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S6. Ans.(d)

Sol.

The sequence is $11^2 - 9^2 = 40$

Similarly $= \sqrt{9^2 - (-144)} = 15$

S7. Ans.(a)

Sol.

The sequence is $6^3 - 2^3 - 100 = 108$

$9^3 - 8^3 - 100 = 117$

Similarly $x^3 - 27 - 100 = 216$

$x = 7$

S8. Ans.(a)

Sol.

The sequence is

$(2 + 13)^2 = 225 \Rightarrow 2 + 2 + 5 = 9$

$(4 + 14)^2 = 324 = 3 + 2 + 4 = 9$

Similarly,

$(5 + 6)^2 = 121$

$\Rightarrow 1 + 2 + 1 = 4$

S9. Ans.(d)

Sol.

1 2 0 \Rightarrow 102

Change the place of the last two digits

$(a + b)^2 = (2 + 4)^2 = 36$

S10. Ans.(b)

Sol.

The sequence is

$x^2 y^3 y^2 x^3$

Required number is = 144

S11. Ans.(a)

Sol. iii. Tea

ii. Tenant

i. Terrace

iv. Tomorrow

S12. Ans.(a)

Sol.

1. clocklipe

5. clockwise

2. cloddier

3. clodpates

4. clodpolls

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S13. Ans.(a)

S14. Ans.(b)

S15. Ans.(d)

S16. Ans.(c)

S17. Ans.(b)

S18. Ans.(a)

S19. Ans.(d)

S20. Ans.(b)

S21. Ans.(c)

Sol.

$$13 C 13 A 13 B 13 D 13 = 157$$

$$\Rightarrow 13 \div 13 - 13 + 13 \times 13 = 157$$

$$\Rightarrow 1 - 13 + 169 = 157$$

$$\Rightarrow 157 = 157$$

S22. Ans.(c)

Sol.

$$7 \times 6 + 5 - 12 \div 3 = 41$$

$$\Rightarrow 7 \times 6 - 5 + 12 \div 3 = 41$$

$$\Rightarrow 42 - 5 + 4 = 41$$

$$\Rightarrow 46 - 5 = 41$$

$$\Rightarrow 41 = 41$$

S23. Ans.(d)

Sol.

$$29 - 15 = 14 ; 14^2 = 196$$

$$16 - 6 = 10 ; 10^2 = 100$$

$$48 - 31 = 17 ; 17^2 = 289$$

S24. Ans.(a)

Sol.

$$28 - 7 + 2 \times 2 = 0$$

$$\Rightarrow 28 - 7 \times 2 \times 2 = 0$$

$$\Rightarrow 28 - 28 = 0$$

S25. Ans.(b)

Sol.

Option (1)

$$(30 \div 5) \times 10 = 24$$

$$\Rightarrow (30 \times 10) \div 5 = 24$$

$$\Rightarrow 300 \div 5 = 24$$

$$\Rightarrow 60 \neq 24$$

Option (2)

$$(30 \times 10) \div 5 = 60$$

$$\Rightarrow (30 \div 5) \times 10 = 60$$

$$\Rightarrow 6 \times 10 = 60$$

Option (3)

$$(30 \div 10) \times 5 = 18$$

$$\Rightarrow (30 \times 5) \div 10 = 18$$

$$\Rightarrow 150 \div 10 = 18$$

$$\Rightarrow 15 \neq 18$$

Option (4)

$$(10 \div 3) \times 5 = 70$$

$$\Rightarrow (5 \times 30) \div 10 = 70$$

$$\Rightarrow 150 \div 10 = 70$$

$$\Rightarrow 15 \neq 70$$

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