

**Reasoning Mega Quiz for RRB (Solutions)**

**S1. Ans.(d)**

**Sol.**

0.5, 1.5, 4.5, 13.5

$$0.5 \times 3 = 1.5$$

$$1.5 \times 3 = 4.5$$

$$4.5 \times 3 = 13.5$$

$$13.5 \times 3 = 40.5$$

**S2. Ans.(c)**

**Sol.**

121, 225, 361, .....

$$(11)^2 = 121$$

$$(11 + 4)^2 = 225$$

$$(15 + 4)^2 = 361$$

$$(19 + 4)^2 = 529$$

**S3. Ans.(d)**

**Sol.**

19, 2, 38, 3, 114, 4, .....

$$19 \times 2 = 38$$

$$38 \times 3 = 114$$

$$114 \times 4 = 456$$

**S4. Ans.(d)**

**Sol.**

4, 5, 9, 18, 34, .....

$$\Rightarrow 4 + (1)^2 = 5$$

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

$$\Rightarrow 9 + (3)^2 = 18$$

$$\Rightarrow 18 + (4)^2 = 34$$

$$\Rightarrow 34 + (5)^2 = 59$$

**S5. Ans.(d)**

**Sol.**

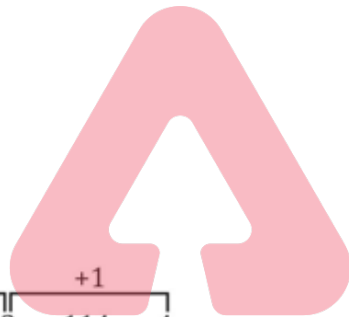
3, 6, 18, 72

$$3 \times 2 = 6$$

$$6 \times 3 = 18$$

$$18 \times 4 = 72$$

$$72 \times 5 = 360$$



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**S6. Ans.(a)**

**Sol.**

21, 25, 33, 49, 81

$$21 + 4 = 25$$

$$25 + 8 = 33$$

$$33 + 16 = 49$$

$$49 + 32 = 81$$

$$81 + 64 = 145$$

**S7. Ans.(a)**

**Sol.**

12, 32, 72, 152

$$12 + 20 = 32$$

$$32 + 40 = 72$$

$$72 + 80 = 152$$

$$152 + 160 = 312$$

**S8. Ans.(d)**

**Sol.**

2, 15, 41, 80, .....

$$2 + 13 = 15$$

$$15 + 26 = 41$$

$$41 + 39 = 80$$

$$80 + 52 = 132$$

**S9. Ans.(c)**

**Sol.**

8, 10, 14, 18, ?, 34, 50, 66

$$8 + 2 = 10$$

$$10 + 4 = 14$$

$$14 + 4 = 18$$

$$18 + 8 = 26$$

$$26 + 8 = 34$$

$$34 + 16 = 50$$

$$50 + 16 = 66$$

**S10. Ans.(c)**

**Sol.**

1, 2, 6, 24, .....

$$1 \times 2 = 2$$

$$2 \times 3 = 6$$

$$6 \times 4 = 24$$

$$24 \times 5 = 120$$

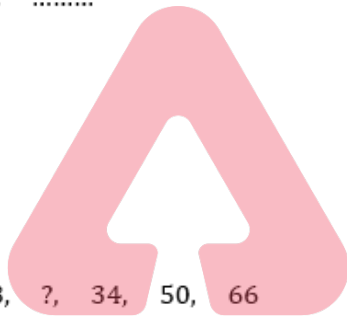
**S11. Ans.(c)**

**Sol.**

82, 70, 76, 64, 70, 58, ?

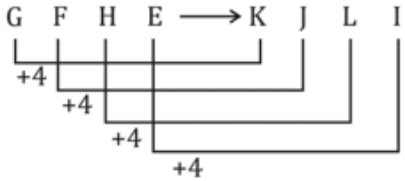
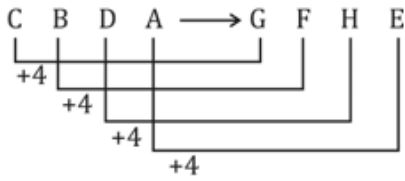
$\begin{array}{cccccc} | & | & | & | & | & | \\ -12 & +6 & -12 & +6 & -12 & +6 \end{array}$

$$58 + 6 = 64$$

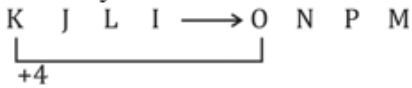


S12. Ans.(d)

Sol.



Similarly



S13. Ans.(c)

Sol.

$$13 + 1^2 = 14$$

$$14 + 2^2 = 18$$

$$18 + 3^2 = 27$$

$$27 + 4^2 = 43$$

$$43 + 5^2 = 68$$

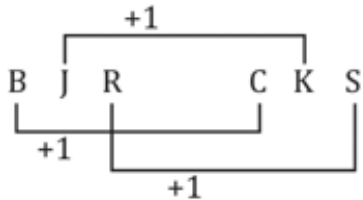
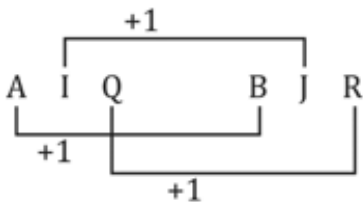
$$68 + 6^2 = 104$$



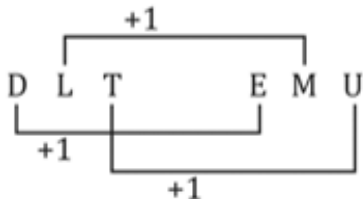
SSC  
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S14. Ans.(d)

Sol.



Similarly



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S15. Ans.(b)

Sol.

$$50 - 0.5 = 49.5$$

$$49.5 - 1.5 = 48$$

$$48 - 2.5 = 45.5$$

$$45.5 - 3.5 = 42$$

$$42 - 4.5 = 37.5$$

S16. Ans.(b)

Sol.

$$3 \times 1 + 1 = 4$$

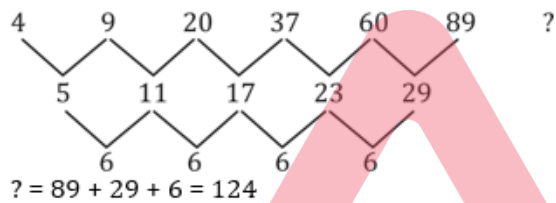
$$4 \times 2 + 2 = 10$$

$$10 \times 3 + 3 = 33$$

$$33 \times 4 + 4 = 132 + 4 = 136$$

S17. Ans.(a)

Sol.



S18. Ans.(a)

Sol.

$$215 + (1)^3 = 216$$

$$216 - (2)^3 = 208$$

$$208 + (3)^3 = 235$$

$$235 - (4)^3 = 171$$

$$171 + (5)^3 = 296$$

S19. Ans.(a)

Sol.

$$121 + 23 \times 1 = 144$$

$$144 + 23 \times 2 = 190$$

$$190 + 23 \times 3 = 259$$

$$259 + 23 \times 4 = 351$$

S20. Ans.(a)

Sol.

$$3 \times 7 + 1 = 22$$

$$22 \times 6 + 2 = 134$$

$$134 \times 5 + 3 = 673$$

$$673 \times 4 + 4 = 2696$$

S21. Ans.(c)

Sol. The correct sequence is –

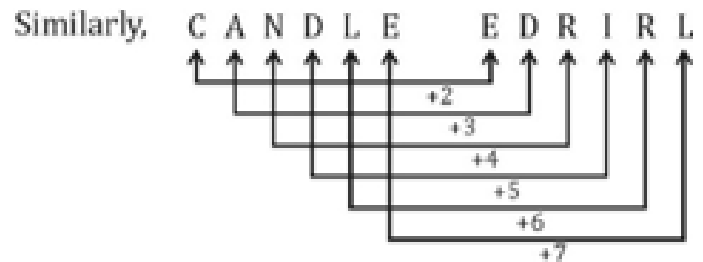
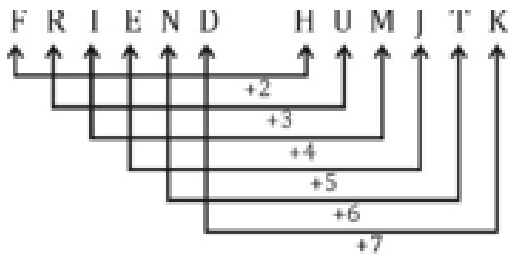
Navin > Ramesh > Jaya > Ram > Satish

S22. Ans.(c)

Sol. PAINTER is not derived from CARPENTER.

S23. Ans.(a)

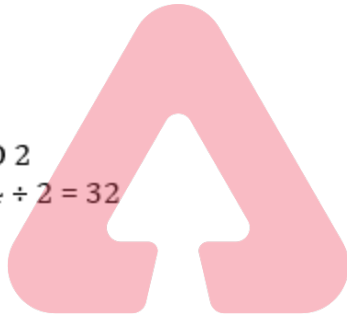
Sol.



S24. Ans.(d)

Sol.

$$14 C 3 A 12 E 4 D 2 \\ = 14 \times 3 - 12 + 4 \div 2 = 32$$



S25. Ans.(a)

Sol.

$$879 = (9 - 8) + 7 = 8 \\ 625 = (5 - 6) + 2 = 1 \\ 586 = (6 - 5) + 8 = 9 \\ 785 = (5 - 7) + 8 = 6$$

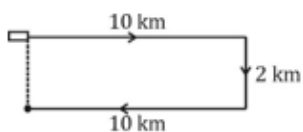
S26. Ans.(b)

Sol.

$$(8 + 7) \times 6 = 90 \\ (7 + 6) \times 5 = 65 \\ (6 + 5) \times 4 = 44$$

S27. Ans.(d)

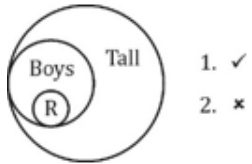
Sol.



Distance from his house = 2 km

S28. Ans.(a)

Sol.



Only conclusion I follows.

S29. Ans.(d)

Sol. Number of triangles = 16

S30. Ans.(c)

Sol.



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