

Reasoning Mega Quiz for SSC CHSL (Solutions)

S1. Ans.(c)

Sol.

Let the present age of A = x

∴ B's present age = x - 9

A.T.Q.⇒

$$(x + 3) + \{(x - 9) - 4\} = 76$$

$$x = 43$$

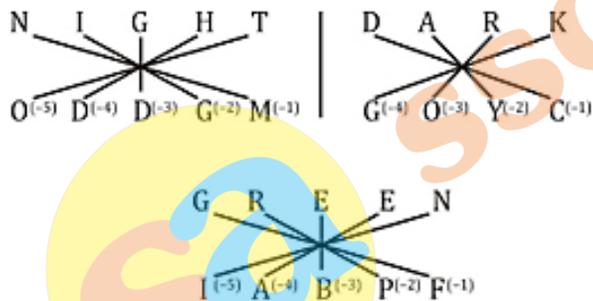
∴ B's present age = 43 - 9 = 34

∴ C's present age = 17

C's age after 10 years = 17 + 10 = 27 yr.

S2. Ans.(a)

Sol.



S3. Ans.(b)

Sol.

$$\frac{3 \times 8}{4} = 6$$

$$\frac{9 \times 4}{3} = 12$$

$$\frac{12 \times 6}{24} = 3$$

S4. Ans.(c)

Sol.

37 triangles

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**S5. Ans.(b)**

**Sol.**

\$ → &

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\* → ^

**S6. Ans.(b)**

**Sol.** Goiter is caused due to the deficiency of Iodine.  
Anemia is caused due to the deficiency of Iron.

**S7. Ans.(a)**

**Sol.**

$$5 \times 6 + (5 + 6) = 41$$

$$9 \times 4 + (9 + 4) = 49$$

**S8. Ans.(d)**

**Sol.** Except ET, all are pair of opposite letters

**S9. Ans.(c)**

**Sol.**

5. Flinchers

1. Flinching

3. Flinpites

2. Flintlock

4. Flintlocks

**S10. Ans.(c)**

**Sol.**

$$19 \times 2 = 38$$

$$38 \times 3 = 114$$

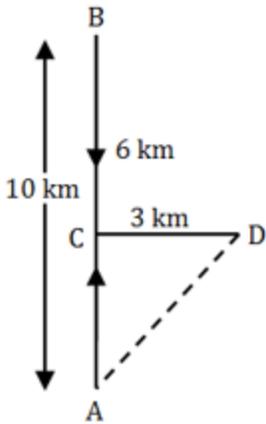
$$114 \times 2 = 228$$

$$228 \times 3 = 684$$

$$684 \times 2 = 1368$$

**S11. Ans.(d)**

**Sol.** Clearly, Sushant moves from A 10 km north-wards upto B, then moves 6 km southwards upto C, turns towards East and walks 3 km upto D.



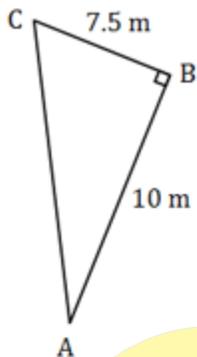
Then,  $AC = (AB - BC) = (10 - 6) = 4$  km;

$CD = 3$  km.

So, Sushant's distance from starting point  $A = AD$   
 $= \sqrt{AC^2 + CD^2} = \sqrt{4^2 + 3^2} = 5$  km.

**S12. Ans.(d)**

**Sol.** Clearly, the narrator starts from A, moves towards north-east a distance of 10 m upto B, turns left ( $90^\circ$  anti-clockwise) and moves 7.5 m upto C.



Clearly, C lies to the north of A.

Also,  $\Delta ABC$  is right-angled at B.

$$\text{So, } AC^2 = AB^2 + BC^2 = (10)^2 + (7.5)^2$$

$$= 100 + 56.25 = 156.25$$

$$\Rightarrow AC = (\sqrt{156.25})\text{m} = 12.5 \text{ m}$$

**S13. Ans.(d)**

**Sol.** Pradeep's father is Umesh's son. So, Umesh is Pradeep's grandfather. Manish is the paternal uncle of Pradeep. So, Manish is the brother of Pradeep's father. This means that Manish is also Umesh's son. Nitish is the brother of Umesh. Thus, Nitish is the paternal uncle of Manish.

**S14. Ans.(b)**

**Sol.** In the first and third statements, the common code digit is '6' and the common word is 'hot'. So, '6' means 'hot'.

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In the second and third statements, the common code digit is '3' and the common word is 'is'. So, '3' means 'is'.

In the first and second statements, the common code digit is '7' and the common word is 'sweet'. So, in the second statement, '5' means 'coffee'.

Clearly, '536' would mean 'coffee is hot'.

Hence, the answer is (b).

**S15. Ans.(c)**

**Sol.**

<b>Letter</b>	D	E	L	H	I	C	A	U	T
<b>Code</b>	7	3	5	4	1	8	2	9	6

The code of CALICUT is 8251896.

**S16. Ans.(d)**

**Sol.** Clearly, vowels, A, E, I, O, U are coded as 1, 2, 3, 4, 5 respectively. Each of the consonants in the word is moved one step forward to give the corresponding letter of the code. So, the code for PEARL becomes Q21SM.

**S17. Ans.(c)**

**Sol.** In all other groups, the first number is obtained by adding 2 to the product of the second and the third numbers.

**S18. Ans.(a)**

**Sol.** In all other pairs, the sum of the two numbers is a perfect square.

**S19. Ans.(c)**

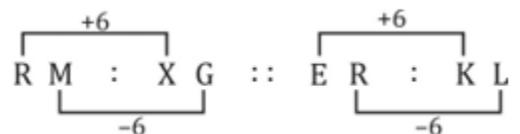
**Sol.** All except Billiards are outdoor games.

**S20. Ans.(d)**

**Sol.** All except Dinosaur are imaginary creatures.

**S21. Ans.(c)**

**Sol.**



**S22. Ans.(c)**

**Sol.**  $9 \times 7 = 63$

$6 \times 7 = 42$

S23. Ans.(d)

Sol.

R	I	V	E	D
1	2	3	5	6

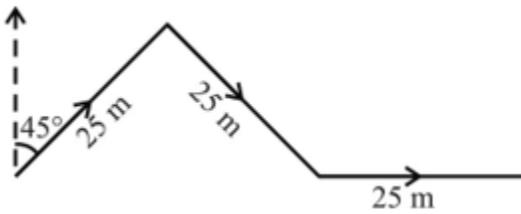
D R I V E R  
 ↓ ↓ ↓ ↓ ↓ ↓  
 6 1 2 3 5 1

S24. Ans.(a)

Sol.  $126 \div 14 - 7 \times 3 + 2 = -10$

S25. Ans.(b)

Sol.



S26. Ans.(c)

Sol.

0, 2 = E

1, 0 = A

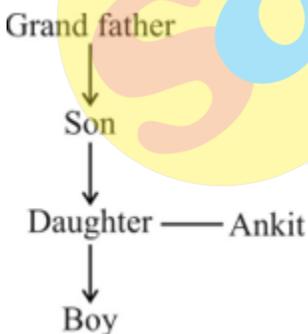
6, 5 = G

1, 1 = E

8, 5 = R

S27. Ans.(d)

Sol.



S28. Ans.(c)

S29. Ans.(c)

S30. Ans.(c)

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