

Reasoning Mega Quiz for RRB NTPC (Solutions)

S1. Ans.(b)

Sol.

Rakhi Mother

Present age x $2x$

At the time $(x - 10)$ $(2x - 10)$

Of engagement

$$\text{A.T.Q} \Rightarrow x = \frac{5}{3}(x - 10) \Rightarrow x = 25$$

\therefore Mother's age at the time of Rakhi's engagement

$$= 2x - 10$$

$$= 50 - 10 = 40 \text{ years.}$$

S2. Ans.(d)

Sol. Fullness

S3. Ans.(a)

Sol.

$$\begin{array}{ccc} 2 & 1 & 4 \\ B & A & D \end{array} = 2 + 1 + 4 = 7$$

$$\begin{array}{ccc} 19 & 1 & 16 \\ S & A & P \end{array} = 1 + 9 + 1 + 1 + 6 = 18 = 1 + 8 = 9$$

$$\begin{array}{ccc} B & A & N \\ 2 & 1 & 14 \end{array} = 2 + 1 + 1 + 4 = 8$$

S4. Ans.(d)

Sol.

$$\begin{aligned} & 9 \times 3 + 8 \div 4 - 7 \\ & = 9 \div 3 + 8 \times 4 - 7 \\ & = 3 + 32 - 7 \\ & = 35 - 7 = 28 \end{aligned}$$

S5. Ans.(b)

Sol.

$$\begin{aligned} (4 \times 5)^3 &= 8000 \\ 6(2 \times 3)^2 &= 36 \\ (4 \times 3)^3 &= 1728 \end{aligned}$$



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S6. Ans.(d)

Sol.

$$(2 \times 3 \times 5 \times 1) + 1 = 31$$

$$(4 \times 6 \times 3 \times 2) + 1 = 145$$

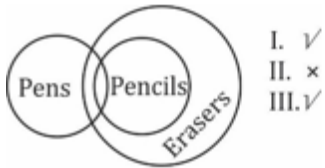
$$(1 \times 2 \times 7 \times 5) + 1 = 71$$

S7. Ans.(b)

Sol. 22 triangles

S8. Ans.(c)

Sol.



Only Conclusion (I) and (III) follow.

S9. Ans.(a)

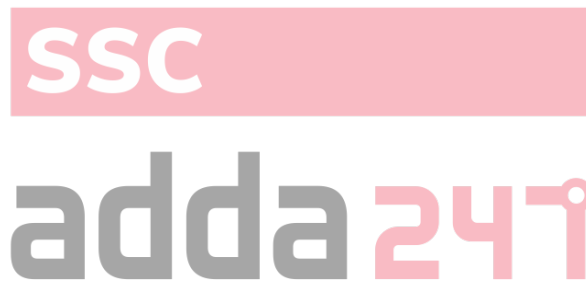
Sol.

Opposite faces are

$$I \leftrightarrow VI$$

$$II \leftrightarrow III$$

$$IV \leftrightarrow V$$



S10. Ans.(a)

Sol. Blue pens = $19 + 4 = 23$

S11. Ans.(b)

S12. Ans.(c)

S13. Ans.(a)

Sol.

$$1 \ 4 \ 4 \ 1$$

$$A \ D \ D \ A$$

$$\times 2 \ \times 2$$

$$1 \ 8 \ 8 \ 1$$

$$4 \ 9 \ 7$$

$$D \ I \ G$$

$$\times 2$$

$$4 \ 18 \ 7$$

$$16 \ 8 \ 15 \ 14 \ 5$$

$$P \ H \ O \ N \ E$$

$$\times 2 \ \times 2 \ \times 2$$

$$16 \ 16 \ 30 \ 28 \ 5$$

S14. Ans.(b)

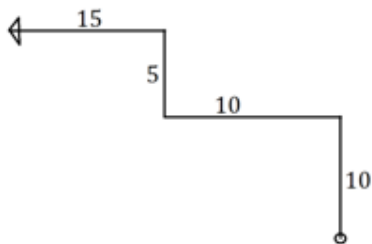
S15. Ans.(c)

Sol.

codes are $\rightarrow a \Rightarrow 3; d \Rightarrow 2; e \Rightarrow 4; r \Rightarrow 1; h \Rightarrow 5; t \Rightarrow 6$
 $l \Rightarrow 8 \text{ or } 7; P \Rightarrow 7 \text{ or } 8$, the code for i is 9

S16. Ans.(b)

Sol.



She is facing west

S17. Ans.(c)

Sol.

$$2 \times 7 \times 9 = 126, 9 \times 4 \times x = 216 \Rightarrow x = 6$$

S18. Ans.(b)

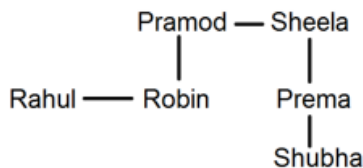
Sol. Dinesh was born on 29th September 1999. Day between 15th August and 29th September
45 day = 6 weeks 3 days
Sunday + 3 = Wednesday

S19. Ans.(c)

Sol. bcb/aca/bcb/aca/bcb/aca/b

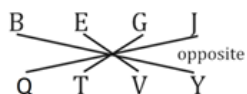
S20. Ans.(c)

Sol.



S21. Ans.(a)

Sol.



Similarly,

F Q K U

F P J U

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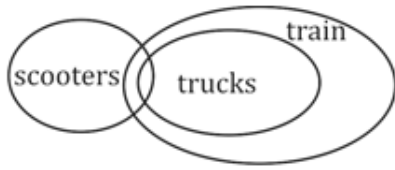
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S22. Ans.(a)

Sol.



S23. Ans.(a)

Sol.

No. of odd days in 400 years = 0

In 2000, no. of odd days. = 0

In a 9 year.

2 year are leap year.

7 year are ordinary year.

$(7 + 2 \times 2)$

$(7 + 4) = 11$ odd days. - (i)

In 10th year

= $(31 + 19)$ days.

= 50 days.

$(7w + 1)$ days. (ii)

= $(11 + 1)$ odd days. (by (i) and (ii))

= $(1w + 5)$ days.

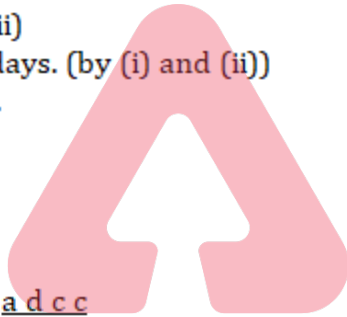
= Friday.

S24. Ans.(d)

Sol.

a d c c c c d a a d c c

Reverse



S25. Ans.(b)

Sol.

$11 + 2 = 13$

$13 + 3 = 16$

$16 + 5 = 21$

$21 + 7 = 28$

$28 + 11 = 39$

Add consecutive prime number.

S26. Ans.(a)

S27. Ans.(a)

S28. Ans.(b)

S29. Ans.(c)

S30. Ans.(d)

Sol. B L A N D

23 32 24 55 66

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