Reasoning Mega Quiz for RRB NTPC (Solutions)

S1. Ans.(c)

S2. Ans.(d)
Sol. Dance is taught by choreographer so as Food is made by chef

S3. Ans.(c)

S4. Ans.(d)
Sol.
\[
\begin{array}{c|c|c|c|c}
68 & 129 & 220 & 347 & 516 \\
61 & 91 & 127 & 169 & \\
30 & 36 & 42 & \\
\end{array}
\]

S5. Ans.(a)
Sol.
\[
\begin{array}{c|c|c}
14 & 43 & 130 \\
3x+1 & 3x+1 & \\
\end{array} \quad \begin{array}{c|c|c}
7 & 22 & 67 \\
3x+1 & 3x+1 & \\
\end{array}
\]

S6. Ans.(b)
Sol.
\[
\begin{array}{c|c|c|c|c|c|c|c}
E & D & I & T & I & o & N \\
W & X & S & H & S & M & N \\
L & P & A & K & M & N & C \\
P & L & A & Q & O & N & Y \\
\end{array}
\]

Opp. Letter +1
S7. Ans.(a)
Sol.
DOCTOR
657152

S8. Ans.(c)
Sol.
D H

<table>
<thead>
<tr>
<th>opp. letter</th>
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<tr>
<td>W</td>
<td>S</td>
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All have same logic except (c)

S9. Ans.(a)
Sol.
GWEHVDIUCTBKSA
1st letter- +1 logic
2nd letter- -1 logic
3rd letter- -1 logic

S10. Ans.(a)
Sol. A numismatis collect coins, Similarly a philatelist collects stamps

S11. Ans.(d)
Sol. 9 x 7 = 63
All have same logic except (d)

S12. Ans.(a)
Sol. 6 – 20 + 12 x 7 ÷ 1 = 70
70 = 70

S13. Ans.(c)
Sol. 25143

S14. Ans.(a)
Sol. 9 : (85) 7 : 53
(9)^2 + 4  (7)^2 + 4
S15. Ans.(c)
Sol.

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<th>B</th>
<th>E</th>
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<td>-1</td>
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G D M J T Q Z W

S16. Ans.(b)
Sol.

B

30m A

40m

30m

30m

40m

S17. Ans.(b)
Sol.

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<th>C</th>
<th>E</th>
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A C E G P R T V

S18. Ans.(a)
Sol.

\[
\begin{align*}
27 \times 3 &= 81 \\
9 \times 5 &= 45 \\
125 \times 25 &= 3125 \\
25 \times 343 \times 49 &= 38025 \\
729 \times 7 &= 5103
\end{align*}
\]

S19. Ans.(a)
Sol.

\[
\begin{align*}
520 &= 350 \quad \text{(20)} \\
68 &= 30 \quad \text{(30)} \\
(8)^3 + 8 &= (7)^3 + 7 \quad (4)^3 + 4 \quad (3)^3 + 3
\end{align*}
\]

S20. Ans.(c)
Sol.

\[
24 \times 16 + \frac{72}{6} - 12
\]

= 384 + 12 - 12 = 384

S21. Ans.(b)
Sol. Second is the defining characteristic of the first

S22. Ans.(d)
Sol. All except (d) are planets
S23. Ans.(a)  
Sol.

```
   C
  /  \
 /    \
/      \
B
```

S24. Ans.(a)  
Sol.

\[ \frac{4}{x^2+1} \cdot \frac{9}{x^2+1} \cdot \frac{19}{x^2+1} \cdot \frac{39}{x^2+1} \cdot \frac{79}{x^2+1} \cdot \frac{159}{x^2+1} \]

S25. Ans.(a)  
Sol. First eliminates the second