RRB NTPC Reasoning Mega Quiz (Solutions)

S1. Ans.(c)  
Sol.  
\[
\begin{array}{ccc}
MN & PQ & TU & YZ & EF \\
+2 & +3 & +4 & +5 \\
\end{array}
\]

S2. Ans.(c)  
Sol.  
\[
\begin{array}{l}
2^3 + 2 = 10 \\
3^3 + 2 = 27 \\
4^3 + 2 = 66 \\
5^3 + 2 = 127 \\
6^3 + 2 = 218 \\
\end{array}
\]

S3. Ans.(d)  
Sol.  
both I and II follows.

S4. Ans.(b)  
Sol. Required temperature of sixth day = \[41 \times 6 - 201\] = 45°C

S5. Ans.(c)  
Sol. The correct sequence according to dictionary.  
Umbrella \rightarrow unicorn \rightarrow uniform \rightarrow unitary.

S6. Ans.(c)  
Sol.  
ARMS \rightarrow 5467 \\
LIAR \rightarrow 1254 \\
SMALL \rightarrow 76511 \\

S7. Ans.(c)  
Sol.  
\[
\begin{array}{l}
(15 + 6) \times 4 = 84 \\
(30 + 8) \times 4 = 152 \\
(20 + 5) \times 4 = 100 \\
\end{array}
\]
S8. Ans.(b)
Sol. $505 \div 5 - 4 + 20 \times 5 = 101 - 4 + 100 = 197$

S9. Ans.(a)
Sol. Speed of Duranto > speed of Rajdhani > Speed of Shatabdi > Speed of Garib Rath
So, Garib Rath is slowest.

S10. Ans.(d)
Sol. The correct sequence according to dictionary.
Abominable, accumulate, Amalgamable, Amateur

S11. Ans.(b)
Sol. Sound is related to medium and light is related to Vacuum.

S12. Ans.(c)
Sol.
$$T \xrightarrow{+2} V \quad \text{Similarly,} \quad M \xrightarrow{+2} O$$
$$R \xrightarrow{+6} X \quad \text{Similarly,} \quad K \xrightarrow{+6} Q$$

S13. Ans.(b)
Sol. CD is two subsequent letters of opposite letters of ZY.
Similarly SR and OQ are related to each other.

S14. Ans.(d)
Sol. $2^3, 3^3, 4^3 \text{ & } 5^3$.

S15. Ans.(d)
Sol. Perpendicular, base, hypotenuse all are related to perimeter of right-angle triangle.

S16. Ans.(d)
Sol. Except wz, both letters have +4 gap between them.

S17. Ans.(d)
Sol.
$$3 + 2 = 5$$
$$4 + 3 = 7$$
$$2 + 4 = 6, \text{ but } 5 + 6 = 11 \neq 4$$

S18. Ans.(d)
Sol.
$$192 = 1 + 2 \Rightarrow 3^2 = 9$$
$$240 = 2 + 0 \Rightarrow 2^2 = 4$$
$$141 = 1 + 1 \Rightarrow 2^2 = 4$$
But 173 is not follow their sequence
S19. Ans.(b)
Sol. Bit, byte, kilobyte, megabyte, Gigabyte.

S20. Ans.(c)
Sol.
B + 2 → D, E + 2 → G, H + 2 → J, K + 2 → M

S21. Ans.(d)
Sol.

S22. Ans.(c)
Sol.
13 + 12 × 1 = 25
25 + 12 × 2 = 49
49 + 12 × 3 = 85
85 + 12 × 4 = 133

S23. Ans.(c)
Sol.

Neither I nor II follows.

S24. Ans.(d)
Sol.
Pooja > Nishu > Riya > Nikita > Amrita
Nishu is the second tallest.

S25. Ans.(c)
Sol.

S26. Ans.(d)
Sol.
% @ ^ @ ! ? * &

S27. Ans.(d)
Sol.
99 × 15 = 1485
31 × 17 = 527
91 × 18 = 1638
S28. Ans.(a)
Sol.
315 & 3 # 9 @ 4 % 6
⇒ 315 ÷ 3 – 9 + 4 × 6
⇒ 105 – 9 + 24
⇒ 129 – 9
⇒ 120

S29. Ans.(a)
Sol. M N/ M N O / M N O P/ M N O P Q

S30. Ans.(c)
Sol.
He is facing towards the west.