Reasoning Mega Quiz for RRB NTPC (Solutions)

S1. Ans. (a)
Sol. All rhombus are quadrilaterals. All quadrilaterals are polygons.

S2. Ans. (d)

S3. Ans. (a)

S4. Ans(c)
Sol. 14th September → Tuesday
No. of Days after 14th sept to 17th oct = 33 days
∴ No. of odd days = $\frac{33}{7}$ = 5 odd days
∴ 17th oct → Tuesday + 5 = Sunday

S5. Ans(a)
Sol.
iii. Heavy
iv. Herald
i. Heredity
ii. Hesitate

S6. Ans.(b)
Sol. In this series, each number is repeated, then 13 is subtracted to arrive at the next number.

S7. Ans.(d)

S8. Ans. (d)
Sol. The letters are alternately moved two and three steps forward to obtain the successive terms.

S9. Ans. (b)
Sol. First consists of the second.

S10. Ans. (a)
Sol. The first, second, third fourth, fifth and sixth letters of the word are respectively moved two, three, four, five, six and seven steps forward to obtain the corresponding letters of the cod.

S11. Ans.(b)
Sol. In this alternating repetition series, the random number 21 is interpolated every other number into an otherwise simple addition series that increase by 2, beginning with the number 9.

S12. Ans. (b)
Sol. The series is having the pattern +2, +3, +2, +3.........
$\therefore ? = H + 3 = K$

S13. Ans. (b)
Sol. The first, third and fifth letters of the word are each moved three steps forward while the second, fourth and sixth letters are each moved three steps backward to obtain the corresponding letters of the code.
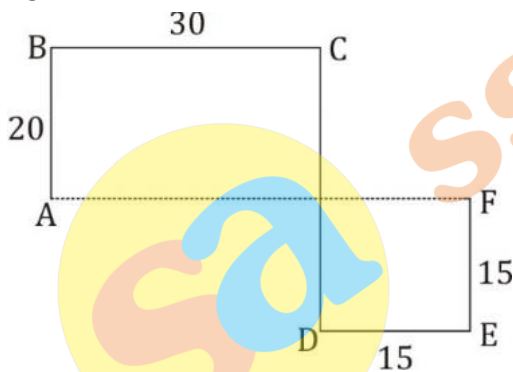
S14. Ans. (c)

S15. Ans. (d)

S16. Ans. (c) Food gives energy to the stomach and fuel provides energy to the engine.

S17. Ans. (d)
Sol. Suresh starts from A. His afterward movements are shown in the diagram made according to the instructions. His final position is F. Now F lies to the east of A. He is at a distance AF which is (30 + 15) i.e. 45 m.

S18. Ans. (a)
Sol. Brook is a natural stream of fresh water where as others may be artificially formed.

S19. Ans. (c)
Sol. Only son of woman's grandfather means woman's father; Man's brother's father means man's father. So, the woman is the sister of the man.
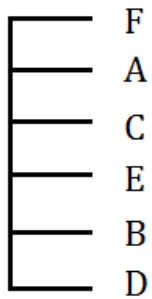
S20. Ans. (b)
Sol. Column 1: $11^2 - 1^2 = 120$
Column 2: $7^2 – 2^2 = 45$
$\therefore$ Column 3: $5^2 – 3^2 = 16$

S21. Ans. (b)
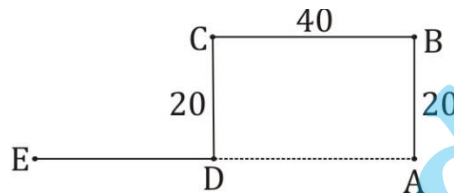**Sol.**

```
┌── F
├── A
├── C
├── E
├── B
└── D
```

∴ Only two persons B and D are sitting to the right of E.

S22. Ans. (d)
Sol. Mahesh starts from A and moves North, reaches B. Then turns left i.e. West reaches C; now turns left to reach D and finally turns right and reaches E. According to the diagram, now EA
= ED + DA = ED + CB = 20 + 40 = 60 kms.

```
      C ──40── B
      │        │
      20       20
      │        │
E ────┴ ─ ─ ─ ─┴
      D        A
```

S23. Ans. (a)
Sol. Because there is no 'A' in the given word.

S24. Ans. (c)
Sol. Potato is not a root whereas the rest of the three items are forms of root.

S25. Ans. (c)
Sol. The rule is 3 × 5 + 4 = 19; 5 × 7 + 6 = 41; 4 × 6 + 5 = 29.
∴ the missing number is 41.