Quantitative Aptitude (Hard Level)

1. If $1/x + 1/y = 1/12$ and $x - y = 6$, find x and y.

2. A tank has 3 pipes A, B, C. A fills in 4 hrs, B in 6 hrs, C empties in 12 hrs. If all open together, find time to fill.

3. A man invests ■20,000, part at 10% SI and rest at 12% SI. After 3 yrs, interest = ■6,600. Find investment in each.

4. Two dice are thrown. Probability that sum is divisible by 4 OR 6?

5. From 10 people, in how many ways can a committee of 4 be formed if 2 particular people are never together?

6. A+B finish in 12 days, B+C in 16 days, A+C in 24 days. How long will A+B+C take?

7. A boat travels 24 km downstream in 2 hrs and upstream in 4 hrs. Find speed of boat and stream.

8. How many 5-digit numbers divisible by 4 can be formed using digits 0–9 (repetition allowed)?

9. A train passes a man in 15s and another train 180m long in 25s. If train length=150m, find speed.

10. Data Interpretation: A pie chart of sales of 5 products. Find ratio and % based inferences.

Logical Reasoning (Hard Level)

1. Puzzle: 5 friends (A–E) live on floors 1–5. A above C, D below B, E above A but not top floor. Who lives where?

2. Seating: 8 people in a circle, some facing inward, some outward. Complex conditions given. Find arrangement.

3. Blood relation: Pointing to a photo, A said, 'She is mother of the only son of my grandfather's son.' Who is she?

4. If DELHI=73541 and AGRA=2719, what is HYDERABAD?

5. Syllogism: Statements - All books are pens. Some pens are copies. Some copies are tables. Conclusions?

6. Series: AZ, BY, CX, DW … what comes next?

7. If + = ×, − = ÷, × = −, ÷ = +, then solve: 12 − 3 ÷ 2 × 6 + 4.

8. A travels 3 km east, 4 km north, 5 km west. Find shortest distance from start.

9. 6 friends sit in a row. A is right of B, C left of D, etc. Deduce exact positions.

10. Coding: If LUCK = 1234 and KIND = 4567, then code for LINK?

Verbal Ability (Hard Level)

1. Synonym for 'Obfuscate'.

2. Antonym of 'Altruistic'.

3. Spot the error: 'Neither of the boys have finished their homework.'

4. Fill in blank: He is more intelligent _____ hardworking. (but/and/than)

5. Rearrange: market / gone / has / to / Ram / the.

6. RC Passage: Complex passage on technology → inference, tone, assumptions.

7. Correct sentence: (a) He insisted to go. (b) He insisted on going.

8. One-word: 'Fear of confined spaces'.

9. Convert to passive: 'They have been building the bridge since 2010.'

10. Spell correctly: (a) Connoisseur (b) Connoiseur