**🔍 WHAT IS APTITUDE?**

**Aptitude** is the ability to logically solve problems and perform calculations, often without prior context. It tests your:

* **Problem-solving**
* **Time management**
* **Logical thinking**
* **Numerical fluency**
* **Comprehension & accuracy**

### 1. **Quantitative Aptitude**

| **Topic** | **Concepts Tested** |
| --- | --- |
| Number System | Divisibility, factors, LCM/HCF |
| Percentages & Profit/Loss | % change, markups, discounts |
| Ratios & Proportions | Partnership, mixture |
| Averages & Ages | Weighted averages |
| Time, Speed, Distance | Relative speed, trains, boats |
| Time & Work | Efficiency, pipelines |
| Simple & Compound Interest | Installments, CI increase |
| Permutation & Combination | Arrangements, selections |
| Probability | Cards, dice, balls |
| Geometry & Mensuration | Area, volume, 2D/3D figures |
| Algebra | Equations, simplification |

Covers mathematical problem-solving. Key subtopics:

### 2. **Logical Reasoning**

Evaluates pattern recognition and logical structuring.

| **Topic** | **Concepts Tested** |
| --- | --- |
| Series (Number/Letter) | Find next pattern |
| Coding-Decoding | Symbol or number patterns |
| Blood Relations | Family trees |
| Direction Sense | Map-based logic |
| Syllogism | Logical conclusions |
| Puzzles (Seating, etc.) | Grid & linear arrangements |
| Calendar/Clock | Day/date problems |
| Data Sufficiency | Decision-making logic |
| Logical Deductions | Cause/effect, assumptions |

### 3. **Verbal Ability (English Aptitude)**

Assesses language skills.

| **Topic** | **Concepts Tested** |
| --- | --- |
| Reading Comprehension | Inference, tone, context |
| Synonyms/Antonyms | Vocabulary |
| Spotting Errors | Grammar & usage |
| Sentence Correction | Tenses, subject-verb |
| Para Jumbles | Logical flow of sentences |
| Fill in the Blanks | Grammar + vocabulary |
| One-word Substitution | Word knowledge |

### 4. **Data Interpretation & Analysis**

Real-world data crunching (used in CAT, GRE, etc.)

| **Topic** | **Formats Tested** |
| --- | --- |
| Tables | Tabular data |
| Bar Charts, Pie Charts | Comparative questions |
| Line Graphs | Trends and ratios |
| Caselets | Wordy numerical problems |
| Data Sufficiency | Can you answer the question with the given data? |

## 🔄 LEARNING STRATEGY FOR APTITUDE (What Learners Need)

| **Phase** | **What to Do** |
| --- | --- |
| 🔹 **1. Conceptual** | Learn formulas, rules, and tricks (example-based) |
| 🔹 **2. Practice** | Solve topic-wise problems with increasing difficulty |
| 🔹 **3. Timed Tests** | Start full-length mock tests to simulate real exams |
| 🔹 **4. Review & Analyze** | Find weak areas, revisit concepts |
| 🔹 **5. Strategy Building** | Skip, guess, or solve decisions + shortcut mastery |

| **Category Name** | **Must-Have?** | **For Which Exams?** |
| --- | --- | --- |
| Quantitative Aptitude | ✅ Core | All |
| Logical Reasoning | ✅ Core | All |
| Verbal Ability | ✅ Core | All |
| Data Interpretation | ✅ Core | CAT, SSC, GRE |
| Data Sufficiency | ⚠️ Optional | CAT, GMAT, Bank |
| Non-Verbal Reasoning | ⚠️ Optional | SSC, Defence |
| Analytical Reasoning | ⚠️ Optional | XAT, Govt |
| Spatial Reasoning | ⚠️ Optional | Engineering exams |
| Decision Making | ⚠️ Optional | XAT, Civil Services |
| Technical Aptitude | ⚠️ Optional | Tech placements |
| General Awareness | 🚫 Not Aptitude | Govt exams |