



RASHTRIYA RAKSHA UNIVERSITY

An Institution of National Importance
Pioneering National Security & Police University of INDIA

SCHOOL OF INFORMATION TECHNOLOGY, ARTIFICIAL INTELLIGENCE & CYBER SECURITY (SITAICS)

10 - Days Crash Course on Quantitative Aptitude & Logical Reasoning



Phase I : January 19 – 23, 2026 | Phase II : January 27 – 31, 2026



2 Hours 30 Minutes (Daily)



Open to :

Students, Competitive Exam Aspirants, Placement Seekers &
External Participants



Mode: Online

Fees : RRU Students: ₹500 | Non-RRU Participants: ₹1500



Completion Certificate

Coordinator : **Dr. Sampurna Sengupta**

Organizers: **Mr. Dushyant Atram, Ms. Khushali Patel, Mr. Mayank Patel**

For Any Queries : **+91 63574 36707**

Competitive Exams & Placement Tests Benefited:

Competitive Examinations :-

- SSC (CGL, CHSL, MTS)
- Banking Exams (IBPS PO/Clerk, SBI PO/Clerk)
- CDS / CAPF
- NET, SET, GATE
- State-level competitive examinations

Placement & Corporate Aptitude Tests :-

- TCS NQT
- Infosys Recruitment Tests
- Cognizant
- Accenture
- Wipro
- Capgemini
- Other mass-recruiter aptitude screenings

Daily Structure :

- Session 1: 40 minutes – Conceptual Foundations
- Break: 10 minutes
- Session 2: 45 minutes – Shortcut Techniques & Speed Methods
- Break: 10 minutes
- Session 3: 45 minutes – Practice, Exam Patterns & Assignments

Background & Need of the Program :

Quantitative Aptitude and Logical Reasoning are mandatory screening components in most competitive examinations and campus placement processes. Despite covering these topics academically, many students struggle with:

- Applying concepts under time pressure
- Identifying shortcut opportunities
- Recognizing standard exam patterns
- Maintaining speed & accuracy simultaneously

This crash course is designed to address these challenges by focusing on exam-oriented thinking, pattern recognition, and efficient problem-solving techniques, rather than lengthy theoretical explanations.

Objectives of the Program :

- To enhance students' speed, accuracy & confidence in aptitude tests
- To train participants in shortcut-based & pattern-oriented problem solving
- To familiarize students with actual competitive exam and placement-style questions
- To bridge the gap between classroom mathematics and real exam requirements
- To improve performance in screening tests, prelims, and placement aptitude rounds

10-Day Schedule (Summary) :

Day	Summary
Day 1	Number System + Simplification
Day 2	Percentages + Profit & Loss
Day 3	Time & Work + Time, Speed, and Distance
Day 4	Algebra + Mensuration
Day 5	Data Interpretation
Day 6	Series + Coding-Decoding
Day 7	Blood Relations, Direction, Ranking
Day 8	Seating & Puzzles
Day 9	Placement Aptitude
Day 10	Mock Test & Feedback

Expected Outcomes :

Upon completion of the program, participants will be able to:

- Solve aptitude questions more efficiently under time constraints
- Identify question patterns and apply appropriate shortcut techniques
- Reduce calculation errors using validation methods
- Perform better in competitive exam prelims and placement aptitude rounds
- Approach exams and interviews with increased confidence

Certification :

Participants who attend the sessions and complete the assigned practice sets will be awarded a Certificate of Participation from Rashtriya Raksha University, acknowledging successful completion of the training program.