GATE CS & GATE DA
APTITUDE

Syllabus

Quantitative Aptitude
Data interpretation: data graphs (bar graphs, pie charts, and other graphs representing data), 2-and 3-dimensional plots, maps, and tables Numerical computation and estimation: ratios, percentages, powers, exponents and logarithms, permutations and combinations, and series Mensuration and geometry Elementary statistics and probability

Analytical Aptitude
Logic: deduction and induction, Analogy, Numerical relations and reasoning

Spatial Aptitude
Transformation of shapes: translation, rotation, scaling, mirroring, assembling, and grouping Paperfolding, cutting, and patterns in 2 and 3-dimensions

(https://gate.iitk.ac.in/GATE2023/doc/Syllabus/ga.pdf)

Modules:

I. Quantitative Aptitude
1. Number System
2. LCM & HCF
3. Ratio & Proportions
4. Ages
5. Averages
6. Mixture & Allegations
7. Partnership
8. Percentages
9. Profit & Loss
10. Simple Interest & Compound Interest
11. Time & Work
12. Pipes & Cistern
13. Time, Speed & Distance (Boats & Streams, Trains)
14. Geometry & Mensuration
15. Permutations & Combinations
16. Probability
17. Logarithms
18. Surds & Indices
19. Progressions

II. Analytical Aptitude
1. Coding & Decoding
2. Series - Number Series & Alphabet Series
3. Analogy
4. Odd-man out
5. Direction Sense Test
6. Seating Arrangements
7. Set Theory (Venn Diagrams)
8. Syllogism & Logical Conclusion
9. Blood Relationship
10. Clocks
11. Cubes & Dice
12. Logical Puzzles & Analytical Reasoning

III. Spatial Aptitude

1. Figure Based Reasoning
2. Paper Cutting, Folding and Mirror Images