

KMAT 2027 Syllabus Topics for Quantitative Ability

Arithmetic

- Number System
- HCF and LCM
- Percentages
- Ratio and Proportion
- Averages
- Profit and Loss
- Simple Interest
- Compound Interest
- Time and Work
- Pipes and Cisterns
- Time, Speed and Distance
- Problems on Trains
- Mixtures and Alligation
- Partnership
- Ages

Algebra

- Algebraic expressions
- Linear equations
- Quadratic equations
- Inequalities
- Algebraic identities
- Functions
- Progressions
- Equations

Geometry

- Lines and angles
- Triangles
- Quadrilaterals
- Circles
- Coordinate geometry
- Properties of polygons

Mensuration

- Area
- Perimeter
- Volume
- Surface area

Trigonometry

- Trigonometric ratios
- Basic identities
- Heights and distances
- Trigonometric equations

Statistics and Data Interpretation

- Mean
- Median
- Mode
- Tables
- Bar graphs
- Line graphs
- Pie charts
- Data interpretation

Modern Mathematics

- Permutation and Combination
- Probability
- Set Theory
- Basic counting principles