

**PART III: SYLLABUS FOR ENTRANCE EXAMINATION SRMJEEE (UG)  
B.TECH AND HEALTH SCIENCE (UG PROGRAMS)**

**PART 6 – APTITUDE (10 Questions)**

1. Number System  
Properties of numbers, Divisibility rules, Unit digit, Euclid's algorithm, LCM and GCD
2. Statistics  
Arithmetic mean, weighted mean, Geometric mean
3. Percentage  
Percentage change-increase or decrease
4. Profit and Loss  
Computing percentage of profit or loss and profit/loss value
5. Quadratic Equation  
Nature of roots, Relationship between roots and coefficients, Solutions of quadratic equations
6. Geometry  
Similar triangles, Lines and angles, Circles and Quadrilaterals
7. Arrangement  
Ordering, Grading and Ranking, coding and decoding
8. Direction Sense test  
Finding direction, distance or both
9. Linear Equation  
Solving simultaneous equations, Test of consistency, problems on ages
10. Trigonometry  
Values of trigonometric ratios, Identities, Heights and distances