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