

## Syllabus for SIT MTech(By Research) Entrance Examination

Topic	Contents	Marks (total 50)
<b>Verbal Aptitude</b>	Basic English grammar: tenses, articles, adjectives, prepositions, conjunctions, verb-noun agreement, and other parts of speech Basic vocabulary: words, idioms, and phrases	<b>10</b>
<b>Quantitative Aptitude</b>	Data interpretation: data graphs (bar graphs, pie charts, and other graphs representing the data), 2- and 3-dimensional plots, maps, and tables  Basic algebra: roots of equations, ratios, percentages, powers, exponents and logarithms, permutations and combinations, and series etc.  Mensuration and fundamental geometry  Determinant and Matrices	<b>25</b>
<b>Physics</b>	Laws of motion, reflection/refractions, Basic laws of Electrical circuits	<b>5</b>
<b>Statistics</b>	Basic concepts, Mean, median, standard deviation, simple tests, elementary statistics and probability	<b>10</b>