

LM Thapar School of Management
Thapar Institute of Engineering & Technology

Syllabus for Research Aptitude Test (RAT) – 2020

Basic Statistics: Measures of central tendency, standard deviation, quartile and percentile, correlation and regression, statistical terms, parametric and non-parametric tests

Research Methodology: Types of research, research methods and processes, quantitative and qualitative research, analysis and interpretation of data, tools for data analysis

Logical thinking and problem solving ability: Quantitative problems related to understanding of numbers, analysis of numerical data, set theory and basic mathematics, application of quantitative analysis for logical interpretation,, deductive and inductive reasoning

Critical Reasoning: Specialized kind of reading comprehension, ability to understand and analyze various elements in logical arguments, recognition of strength or weakness of an argument, ability to conceptualize and to frame problems, ability to recognize logical fallacies

Data Sufficiency: Data relationships, quantitative reasoning, ability to assume, ability to detect wrong assumptions, ability to see if the mentioned data is sufficient to solve a given problem