



Office of Outreach Activities Indian Institute of Technology Kanpur

Syllabus for Online Entrance Test – Sunday, 23rd November 2025

Verbal Aptitude

Basic English grammar: tenses, articles, subject-verb agreement, adjectives, prepositions, conjunctions, and other parts of speech.

Basic vocabulary, idioms and phrases, reading comprehension, and narrative sequencing.

Quantitative Aptitude

Data interpretation, data graphs (bar graphs, pie charts, two- and three-dimensional plots, and other graphs representing data), maps, and tables.

Ratio and proportion, percentages, exponents and powers, logarithms, permutations and combinations, mensuration, geometry, algebra, elementary statistics and probability.

Analytical Aptitude

Logic, deduction and induction, analogy, numerical relations, and reasoning.

Spatial Aptitude

Transformation of shapes: translation, rotation, scaling, mirroring, assembling, and grouping.

Paper folding, cutting, and patterns in two and three dimensions.
