

PGET Syllabus

Master of Computer Application (MCA)

Analytical and Verbal Reasoning:

Verbal Ability and Reasoning, Quantitative Ability and Reasoning, Logical Connectives, Binary Logic, Logical Sequence and Matching, Seating Arrangement, Number and Letter Series, Coding-Decoding, Decision, Data interpretation and analysis, Analytical reasoning, Analogy, Assertion & reason, Situation & reaction, Logical deduction, Argument construction, Argument Evaluation, Divergent and lateral thinking, Creativity.

Fundamentals of Mathematics:

Number representation, binary arithmetic; Boolean algebra, Set, Relation, Function, Lattices, Probability theory: conditional probability, Bayesian theorem, probability distributions, Statistics: fundamentals, measurement of central tendency, sampling theory, sampling distributions, Matrix manipulation, Linear equation.

Fundamentals of Computing:

Number System, Components of computers Processors, Primary and Secondary Memory Devices, Memory Management, I/O interfaces, System and Application software, Operating Systems, File Systems, DBMS, Computer networks, Internet and World Wide Web

Problem Solving Skills:

Fundamentals of Logic building: Flowcharts, Pseudo code, Algorithms, Puzzle Solving, Programming constructs- Sequential, Iterative and Conditional, Fundamental C Data types, Array, Structures, Unions, Searching and Sorting Data.