

Faculty of Engineering & Technology

M.Tech. (Computer Science and Engineering) Artificial Intelligence

Verbal Ability: English Grammar, Synonyms, Antonyms, Sentence Completion, Verbal Analogies, Word Groups, Reading Comprehension, Critical Reasoning and Verbal Deduction.

Numerical Ability: Numerical computation, numerical estimation, Permutation and combination, Progression, Ratio, Proportion and variation, Speed, Distance and Time.

Logical Reasoning and Data Interpretation: Blood Relations, Proposition, Direction Sense, Coding-Decoding, Assumptions, Puzzles, Binary Logic, Tables, Pie Charts, Bar Diagrams, Pattern Perception.

Linear Algebra: Matrices, determinants, system of linear equations, eigenvalues and eigenvectors, Vector spaces, Matrix Factorization

Calculus: Limits, continuity and differentiability, Maxima and minima, Mean value theorem, Integration.

Probability and Statistics: Random variables; Uniform, normal, exponential, Poisson and binomial distributions; Mean, median, mode and standard deviation; Conditional probability and Bayes theorem; Linear regression analysis.

Computer Programming: Basics of programming in C language.