

## EMPLOYABILITY SKILLS

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Course Outcome for Employability Skills with Focus on Quantitative Aptitude, Logical Reasoning, and Analytical Reasoning:

### Unit-1 Quantitative Aptitude:

- 1.1 Demonstrate understanding of Number System concepts through problem-solving.
- 1.2 Apply LCM and HCF principles to solve real-life scenarios.
- 1.3 Calculate Decimal fractions accurately in various mathematical operations.
- 1.4 Compute Square roots & Cub roots efficiently for mathematical calculations.
- 1.5 Simplify and solve problems involving Surds and Indices.
- 1.6 Calculate Averages effectively in different scenarios.
- 1.7 Apply Percentage calculations in various business and financial contexts.
- 1.8 Solve Problems on ages accurately using relevant formulas.
- 1.9 Analyze Profit and Loss situations and make informed business decisions.
- 1.10 Differentiate between simple and compound Interest and apply calculations accordingly.
- 1.11 Apply Ratio and Proportion concepts in real-life situations for decision-making.
- 1.12 Apply Probability principles to make informed decisions based on uncertainties.
- 1.13 Solve Time and Work problems efficiently to optimize productivity.
- 1.14 Solve Time, Speed, and Distance problems accurately for logistical planning.
- 1.15 Apply Permutation and Combination principles in different scenarios for problem-solving.

### Unit-2 Logical Reasoning (Deductive Reasoning):

- 2.1 Identify and apply Analogies effectively in problem-solving.
- 2.2 Decode and encode information in Coding and Decoding problems accurately.
- 2.3 Analyze Blood Relations and apply logic in solving related problems.
- 2.4 Solve problems related to Directional series by applying logical reasoning.
- 2.5 Interpret and apply Number and Letter sequences in problem-solving.
- 2.6 Solve Calendar-related problems using deductive reasoning.
- 2.7 Solve Clock-related problems by applying logical thinking.
- 2.8 Analyze and solve problems using Venn Diagrams effectively.
- 2.9 Arrange Seats logically in Seating Arrangements problems for optimal solutions.
- 2.10 Apply mathematical operations in Logical Reasoning problems accurately.

### Unit-3 Analytical Reasoning:

- 3.1 Evaluate Statements and Arguments critically to draw logical conclusions.
- 3.2 Assess Statements and Assumptions to make informed decisions.
- 3.3 Apply logical reasoning to reach conclusions based on Statements and conclusions.
- 3.4 Draw inferences and conclusions from Passages effectively.
- 3.5 Evaluate Assertion and reasoning statements critically for accurate deductions.
- 3.6 Analyze Causes and Effects logically for problem-solving.
- 3.7 Analyze Simple and Coded Inequalities to arrive at logical conclusions.
- 3.8 Group and categorize information based on conditions for analytical thinking.
- 3.9 Apply Critical Reasoning skills to analyze and solve complex problems.
- 3.10 Apply Syllogism principles to draw logical conclusions from given statements.