

SEC0108503: Reasoning & Logic

Total Marks: 75 (Final Exam 60 Marks + Project 15 Marks)

Credit: 3

Unit 1- Quantitative Ability (Basic Mathematics)

(6 Lectures)

(Number system, LCM and HCF, Decimal Fractions, Simplifications, Square roots and Cube roots, Average, Problems on Age, Surds and Indices, Percentages, Problems on Numbers)

Unit 2- Quantitative Ability (Applied Mathematics)

(6 Lectures)

(Logarithm, Permutation and Combinations, Probability, Profit and Loss, Simple and Compound Interest, Time- Speed and Distance, Time & Work, Ratio and Proportion, Area, Mixture and Allegation)

Unit 3- Data Interpretation

(7 Lectures)

(Data Interpretation , Tables, Column Graphs, Bar graphs, Line Charts, Pie Chart, Venn

Diagrams)

(8 Lectures)

Unit 4- Logical Reasoning

(Analogy, Blood relation, Directional Sense, Number and letter series.

Coding-Decoding, Calendars, Clocks, Venn Diagrams, Seating Arrangement, Syllogism and

Mathematical Reasoning)

(4 Lectures)

COURSE OUTCOME:

On completion of this skill enhancement course the students will be able to

- Understand the basic concept of Quantitative Ability.
- Understand the basic concept of Logical Reasoning Skills
- Acquire satisfactory competency in use of reasoning
- Solve campus placements aptitude papers covering Quantitative Ability, Logical Reasoning
- Compete in various competitive examinations like CAT, CMAT, GATE, GRE, UPSC

NB: Title of the course proposed as: APTITUDE AND LOGICAL REASONING COURSE
