

SREENIVASA INSTITUTE of TECHNOLOGY and MANAGEMENT STUDIES

MCA II - II Semester

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16MCA228

REASONING AND APTITUDE LAB

Course Objective:

- **To Acquire the Analysis Skill**
- **To Acquire Knowledge on Basic Reasoning and Aptitude**

Syllabus:

Exercise 1:

Numbers and Fractions – H.C.F and L.C.M - Simplification and Roots

Exercise 2:

Averages – Partnership and Percentages- Ratio and proportions - Profit and Loss

Exercise 3:

Share - Simple interest and Compound Interest

Exercise 4:

Series - Coding and Decoding - Blood relation - Venn Diagrams

Calendar and Clocks - Data interpretation, tabulation and Bar graphs

Exercise 5:

Puzzle test- Problems on ages - Time and Distance

Exercise 6:

Time and Work - Pipes and Cisterns - Problems on Trains,

Exercise 7:

Boats and streams- Allegation and Mixture - Permutation and Combination

Exercise 8:

Probability - Area, Volume & surface areas - Height and Distance

Pie charts and Line graphs – Data Sufficiency

Exercise 9:

Basics and History of C, functions, pointers, strings, files in C-language

Exercise 10:

Oops concepts, Debugging programs in C++ and Java

Exercise 11:

SQL Queries & Sub Queries, PLSQL Programming, Views, Cursors, Triggers.

Exercise 12:

Unix utilities, Concepts of Computer Networks and Operating System.

Course Outcomes:

- The Students are able to analysis and solve the given problem.
- Acquire the technical knowledge on programming & database concepts