# Lecture Summaries

## l3

\* \*\*Quantitative Aptitude:\*\* The notes include several quantitative aptitude problems involving percentages, ratios, probability, work rates, and number manipulation. Solutions are provided.  
  
\* \*\*Logical Reasoning:\*\* Several questions test logical reasoning skills, including identifying patterns (odd one out), analyzing statements (true/false), and deductive reasoning (triplet brothers puzzle).  
  
\* \*\*General Knowledge:\*\* Questions cover diverse areas, including the largest shipyard in India, the tutor of Alexander the Great, and the cause of goiter.  
  
\* \*\*Algebraic Equations:\*\* Problems involve solving for unknown variables (e.g., question 25 with xyz = 256).  
  
\* \*\*Work and Time Problems:\*\* A classic work and time problem involving multiple workers with different work rates is presented.  
  
\* \*\*Probability:\*\* Problems require calculating probabilities, including those involving independent events.  
  
\* \*\*Coding/De-coding:\*\* A question involves applying a specific letter-case coding scheme.  
  
\* \*\*Data Interpretation:\*\* One question involves interpreting data about children standing in columns on a sports day.  
  
\* \*\*Specific Knowledge:\*\* Questions test knowledge of specific facts, such as the code name for Windows Vista and the inventor of Napier's Bones.  
  
\* \*\*Incomplete Problem:\*\* One problem (question 45) is incomplete, presenting only the first part of a statement regarding the Administrative Reforms Commission.