



# ALL INDIA COUNCIL FOR TECHNICAL SKILL DEVELOPMENT

अखिल भारतीय तांत्रिक कौशल्य विकास परिषद

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## Syllabus

### Albert Einstein International Scholarship Test -2023

#### Class - 9

- **Ratio And Proportion**
  - Introduction
  - Ratio
  - Proportion
  - Unitary Method

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- **Comparing Quantities**
  - Introduction
  - Equivalent Ratios
  - Percentage Another Way Of Comparing Quantities
  - Use Of Percentages
  - Prices Related To An Item Or Buying And Selling
  - Charge Given On Borrowed Money Or Simple Interest

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- **Profit And Loss**
  - Profit And Loss
  - Finding Selling Price
  - Finding Cost Price

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- **Time & Work**
  - Problem on time & work calculation
  - Finding Number Of Days From One Date To Another
  - Railway And Air Timings

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- Time Intervals

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- **HCF & LCM**
  - Hcf
  - Lcm
  - Prime Factorisation
  - Hcf By Prime Factorisation
  - Lcm By Prime Factorisation
  - Lcm By Division Method

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- **Problem on AGEs**
  - AGE Calculations
  - Problems on conditional AGE calculations
  - Present & Past AGE calculations

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- **Problem on Trains**
  - Train Speed Calculations
  - Train & Platform Measurements
  - Train Arrival & Departure calculations

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- **Problem on True Discount**
  - Buying & Selling Prices Calculations
  - Discounts in transaction calculations
  - Profit ratio calculations

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