



**ALL INDIA COUNCIL FOR  
TECHNICAL SKILL DEVELOPMENT**

अखिल भारतीय तांत्रिक कौशल्य विकास परिषद

## Aryabhata National Maths Competition - 2023

### Syllabus - Class 12

#### Problem on Trains

- Train Speed Calculations
- Train & Platform Measurements
- Train Arrival & Departure calculations

#### Problem on AGES

- AGE Calculations
- Problems on conditional AGE calculations
- Present & Past AGE calculations

#### Problem on True Discount

- Buying & Selling Prices Calculations
- Discounts in transaction calculations
- Profit ratio calculations



## Problems on Percentage

- Calculate Percentage of Profit and Loss
- Percentage Calculation on Buying & Selling
- Percentage & Proportion

## Problem on Simple Interest

- Calculate Interest
- Calculate Profit / Loss
- Interest Appreciation / Depreciation

## Problem on Speed & Distance

- Calculate Speed & Velocity
- Calculate Speed & Distance Proportion

## Problem on Time & Calendar

- Problems on Time & Dates
- Calculate Time Span



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## ● Calculate Dates & Duration

## Profit And Loss

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