Ramanujan National Maths Challenge

A National Maths Scholar Search Program

Prize Money - Upto Rs.2 Lakhs	**National Certificate - For Every Participant**	**National Trophy**	**National Medal**

Please Note - All participants will receive a participation certificate, even if not selected in the final. These certificates are highly regarded in India and are awarded by AICTSD at the national level. The certificate holds substantial value and has the potential to significantly boost your academic and professional career.

Syllabus - College Student

Problem on AGEs

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

Time & Work

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

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**

Problem on Speed & Distance

- **Calculate Speed & Velocity**
- **Calculate Speed & Distance Proportion**

HCF & LCM

- Hcf & Lcm
- Prime Factorisation
- Hcf By Prime Factorisation
- Lcm By Prime Factorisation
- Lcm By Division Method

Problem on Trains

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

Problem on True Discount

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

Problem on Profit And Loss

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