



ALL INDIA COUNCIL FOR TECHNICAL SKILL DEVELOPMENT

अखिल भारतीय तांत्रिक कौशल्य विकास परिषद

Syllabus

Albert Einstein International Scholarship Test -2023

Class - 8

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

- 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

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

- Area And Volume
 - Area
 - Finding Area When Whole Squares Are Not Covered
 - Area Of Irregular Shapes



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- Area Of A Rectangle Or Square
 - Finding Length Or Breadth
 - Perimeter
 - Volume
 - Volume Of A Cube
 - Volume Of A Cuboid
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- **HCF & LCM**
 - Hcf
 - Lcm
 - Prime Factorisation
 - Hcf By Prime Factorisation
 - Lcm By Prime Factorisation
 - Lcm By Division Method
-
- **Perimeter And Area**
 - Introduction
 - Squares And Rectangles
 - Area Of A Parallelogram
 - Area Of A Triangle
 - Circles
 - Conversion Of Units
 - Applications
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- **Percentages**
 - Expressing Fractions As Percentages
 - Converting Percentages To Fractions
 - Expressing Percentages As Decimals
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- Expressing Decimals As Percentages
 - Finding Percentage Of A Number
 - Money And Metric Measures As Percentages
 - Why Do We Use Percentages?
-
- **Surface Area And Volumes**
 - Introduction
 - Surface Area Of Cuboid And A Cube
 - Surface Area Of A Right Circular Cylinder
 - Surface Area Of A Right Circular Cone
 - Surface Area Of A Sphere
 - Volume Of A Cuboid
 - Volume Of A Cylinder
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