

**SPOT TEST FOR REFERENCE HALL STUDENTS**  
**MATHS & CURRENT AFFAIRS**

**TEST Duration: 1 hour**

**No. of Questions = 50**

**TEST – I**

**Date: 28.09.2018**

**Life Mathematics [7<sup>th</sup> Std Maths]**

- ❖ Ratio & Proportion
  - ✓ Golden Ratio, Golden Rectangle, Golden Segment
- ❖ Variation
- ❖ Percentage
- ❖ Profit & Loss
- ❖ Simple Interest

**Geometry**

- ❖ Symmetry
- ❖ Angle of Rotation
- ❖ Types of angles

**Current Affairs July 1 - 15**

**TEST – II**

**Date: 01.10.2018**

**Measurements: [7<sup>th</sup> Std Maths]**

- ❖ Area of Combined figure
- ❖ Area of Triangle
- ❖ Area of Quadrilateral
- ❖ Area of Parallelogram
- ❖ Rhombus
- ❖ Trapezium
- ❖ Circle
- ❖ Area of the Pathway
- ❖ Circular Pathway

**Measurements: [8<sup>th</sup> Std Maths]**

- ❖ Semi Circles, Quadrant & Combined Figure

**Current Affairs July 16 - 31**

**TEST – III****Date: 05.10.2018****Life Mathematics[8<sup>th</sup> Std Maths]**

- ❖ Application of Percentage
- ❖ Application of Profit & Loss
- ❖ Application of Overhead Expenses
- ❖ Application of Discounts
- ❖ Application of Tax
- ❖ Compound Interest
- ❖ EMI

**Current Affairs August 1 - 15****TEST – IV****Date: 08.10.2018****Life Mathematics[8<sup>th</sup> Std Maths]**

- ❖ Difference between Simple & Compound Interest
- ❖ Direct & Indirect Variation
- ❖ Appreciation and Depreciation
- ❖ Fixed Deposits and Recurring Deposits
- ❖ Time & Work

**Geometry**

- ❖ Kinds of Triangle
- ❖ Properties of Triangle

**Algebra**

- ❖ Linear Equations & Examples

**Current Affairs August 16 - 31****TEST – V****Date: 12.10.2018****9<sup>th</sup> Std Maths**

- ❖ Area of Sector, Arc Length
- ❖ Cube & Cuboids
- ❖ Trigonometry
- ❖ Logarithms

**Current Affairs September 1 - 15**

**TEST – VI****Date: 15.10.2018****9<sup>th</sup> Std Maths**

- ❖ Real Number System [Surds]
- ❖ Algebra
  - ✓ Remainder Theorem
  - ✓ Factor Theorem
  - ✓ Algebraic Identities
  - ✓ Factorization of Polynomials & Quadratic Equation
  - ✓ Linear Equations
- ❖ Geometry
  - ✓ Properties of Parallelogram, Rhombus and Trapezium
  - ✓ Parallelogram
  - ✓ Circles

**Current Affairs September 16 - 30****TEST – VII****Date: 19.10.2018****10<sup>th</sup> Std Maths**

- ❖ Mensuration
  - ✓ Surface Area
  - ✓ Volume
- ❖ Coordinate geometry
  - ✓ Area of Triangle, Area of Quadrilateral, Exercise(5.6)

**Current Affairs October 1 - 15****TEST – VIII****Date: 22.10.2018****10<sup>th</sup> Std Maths**

- ❖ Series & Sequence of Real Numbers
  - ✓ A.P & G.P Series
  - ✓ Special Series
- ❖ Algebra
  - ✓ LCM & HCF
  - ✓ Relationship between LCM & HCF
  - ✓ Rational expressions in Lowest form
  - ✓ Quadratic Equation(Example problems & Exercise 3.16)
  - ✓ Exercise 3.19

**Current Affairs – Tamil Nadu, Awards, Summits, Appointments,  
Schemes**