



Bishop Cotton School, Shimla - 171002

## FRAMES OF REFERENCE FOR THE ENTRANCE TEST FOR CLASS 9

### English:

- Composition
- Comprehension

### Mathematics

**Commercial Mathematics:** Unitary method, Profit and loss, Simple interest, Ratio, Number system (rational and irrational numbers), Squares and square roots, Cubes and cube roots

**Algebra:** Identities, Factorization, Linear equations, Exponents/ Indices, Points and coordinates, Plotting of points and lines (single) on the graph

**Geometry:** Pythagoras theorem, Triangles (angle sum property), Perimeter and area of rectangle and square, Polygons (sum of exterior and interior angles)

**Solid Geometry:** Area of cubes and cuboids

**Statistics: (a)** Construction of frequency table, tally marks, finding mean of raw data  
**(b)** Probability (outcomes, sample space, coins, die and numbers)

### Personal Interview (child):

- Some general knowledge questions
- Personal questions

### Personal Interview (parents)

- General questions