

**Basics of Mathematics (B.Com and B.C.A. 1<sup>st</sup> Year)**

<b>Topics</b>	<b>Number of Hours</b>
<ul style="list-style-type: none"><li>• Number Systems: Naturals, Integers, Rationals, Irrationals, Reals, and Complex Numbers</li><li>• Prime, Composite And Even, Odd Numbers (General Representation)</li></ul>	02
<ul style="list-style-type: none"><li>• Basic Operations and Order of Operations (BODMAS)</li><li>• Concept of Percentage</li></ul>	02
<ul style="list-style-type: none"><li>• Linear equations and their solutions</li><li>• Quadratic equations and their solutions by factor method and Discriminant method.</li></ul>	01
<ul style="list-style-type: none"><li>• Elementary idea of<ul style="list-style-type: none"><li>• Sequences and Series</li><li>• System of measuring Angles (Trigonometric Functions)</li><li>• Functions or Mappings</li></ul></li></ul>	01
<ul style="list-style-type: none"><li>• Graphical Representation: Types, General Rules and Principals</li></ul>	02