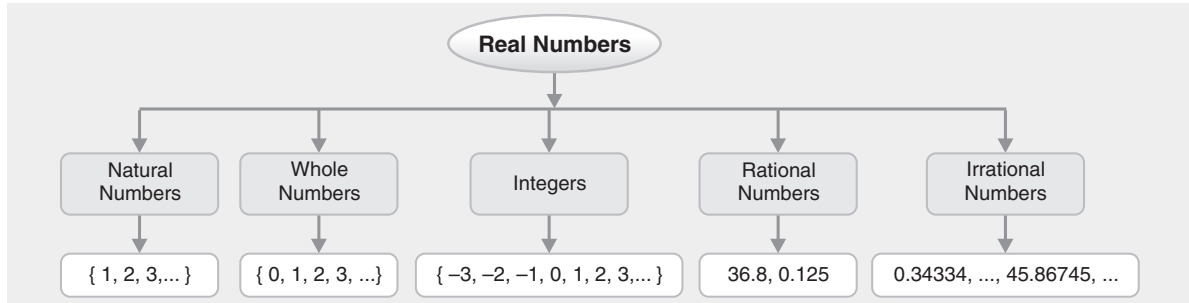


# UNIT -I : Number System

## Chapter - 1 : Real Numbers

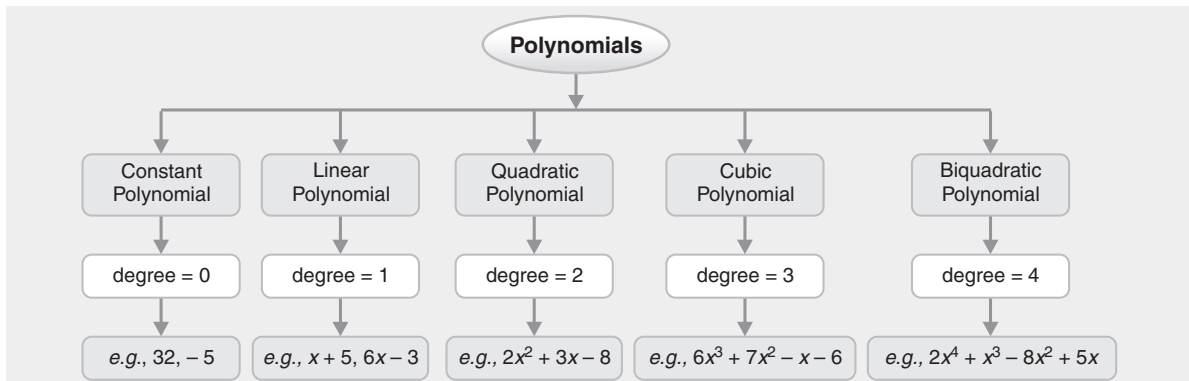
### Flowchart



# UNIT -II : Algebra

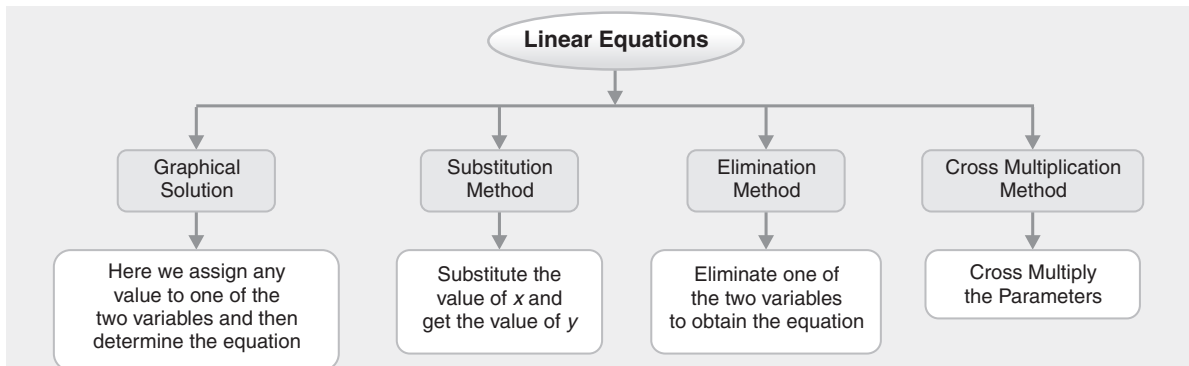
## Chapter - 2 : Polynomials

### Flowchart



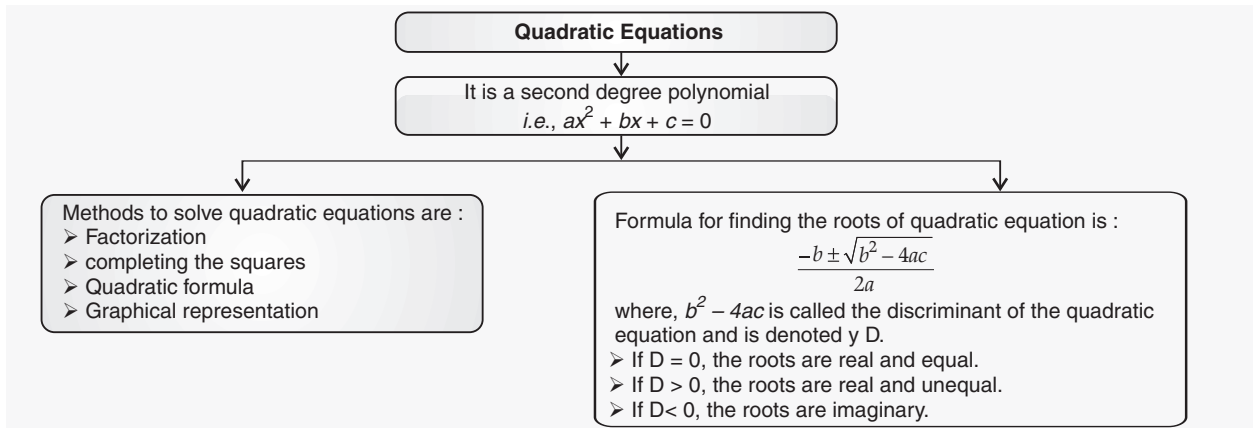
## Chapter - 3 : Pair Of Linear Equations In Two Variables

### Flowchart

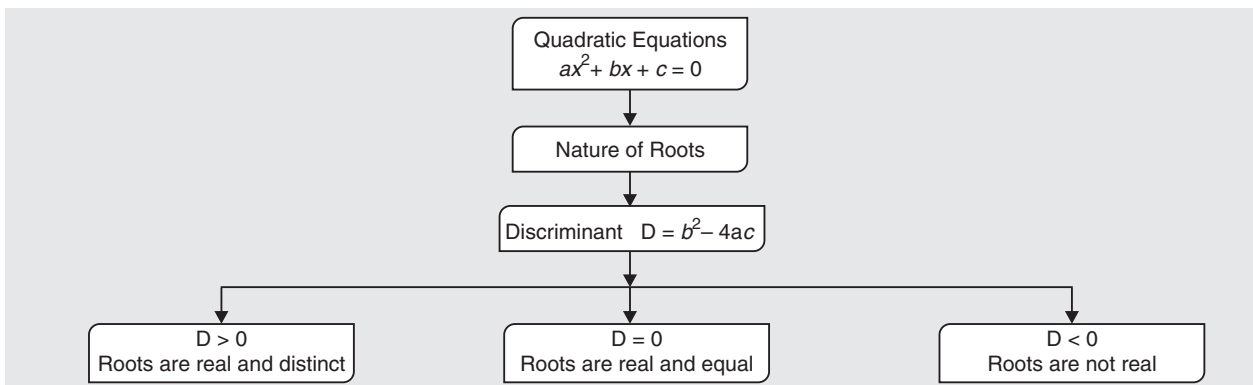


## Chapter - 4 : Quadratic Equations

### Flowchart

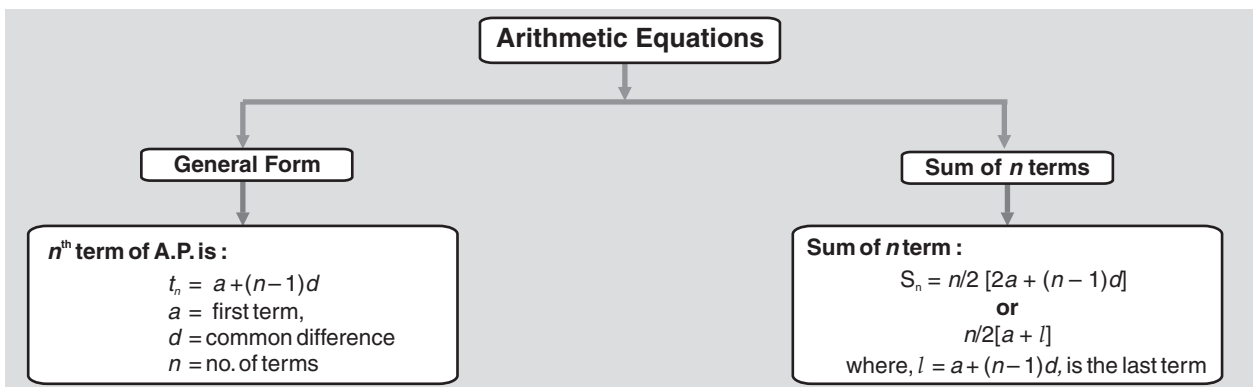


### Flowchart

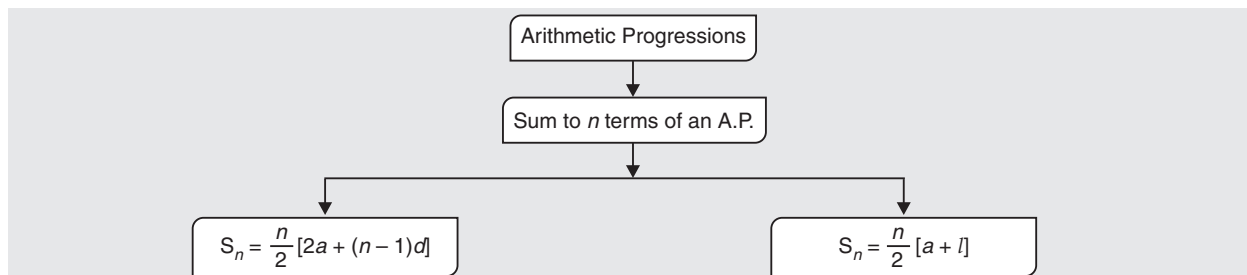


## Chapter - 5 : Arithmetic Progression

### Flowchart



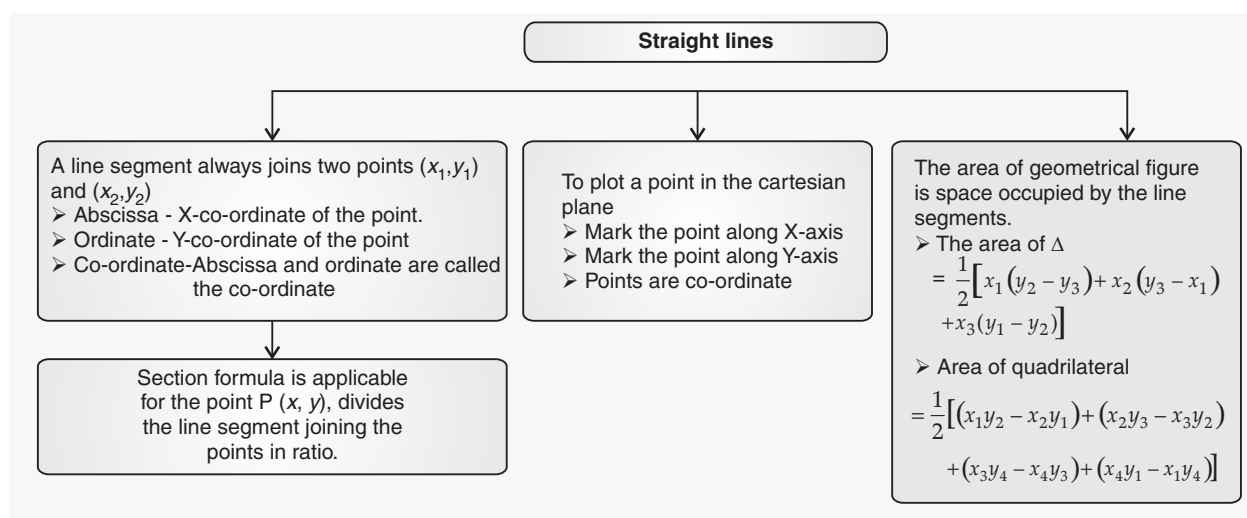
## Flowchart



## UNIT -III : Coordinate Geometry

### Chapter - 6 : Lines (In Two-Dimensions)

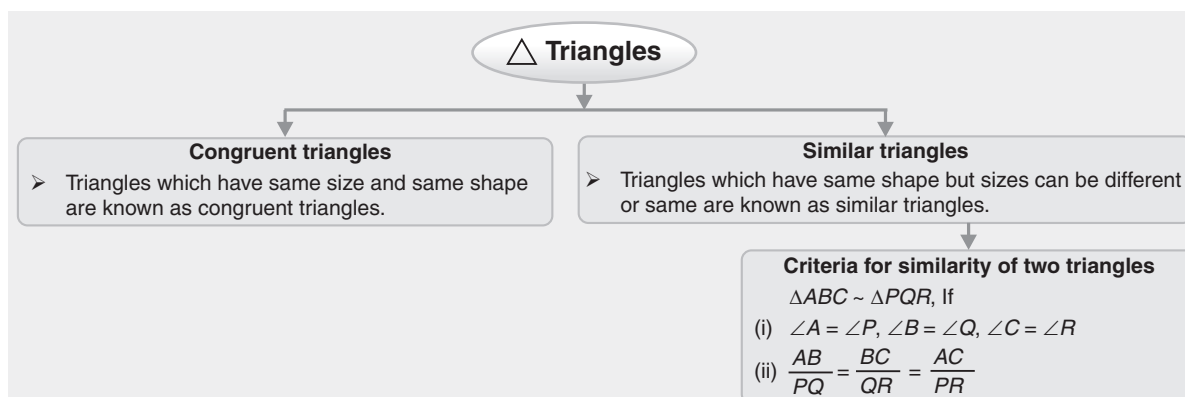
## Flowchart

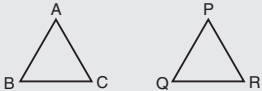
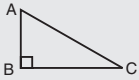


## UNIT -IV : Geometry

### Chapter - 7 : Triangles

## Flowchart

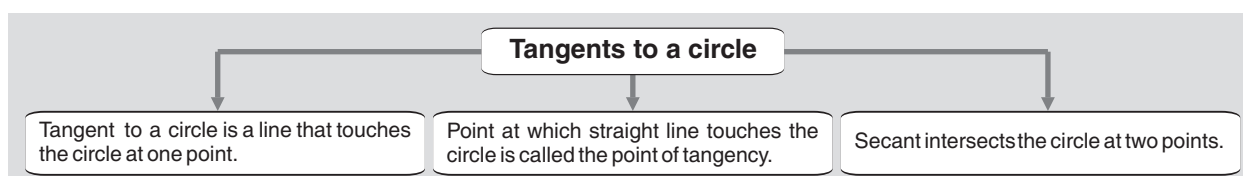


<p><b>Theorems based on two similar triangles</b></p> <ul style="list-style-type: none"> <li>➤ BPT or Thales' theorem</li> <li>➤ Converse of Thales' theorem</li> <li>➤ Mid-Point theorem</li> <li>➤ Angle-Bisector theorem</li> </ul>	<p><b>Ratio of the areas of two similar triangles</b></p> <p>➤ The ratio of the areas of two similar triangles is equal to the ratio of the square of their corresponding sides.</p> <div style="text-align: center;">  </div> <p>If <math>\triangle ABC \sim \triangle PQR</math> then</p> $\frac{\text{ar}(\triangle ABC)}{\text{ar}(\triangle PQR)} = \frac{AB^2}{PQ^2} = \frac{BC^2}{QR^2} = \frac{AC^2}{PR^2}$	<p><b>Pythagoras' theorem</b></p> <p>➤ In a Right Angle triangle, the square of the hypotenuse is equal to the sum of the squares of the other two sides.</p> <div style="text-align: center;">  </div> <p>In <math>\triangle ABC</math>, <math>\angle B = 90^\circ</math>, then  <math>AC^2 = AB^2 + BC^2</math></p>
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## Chapter - 8 : Circles

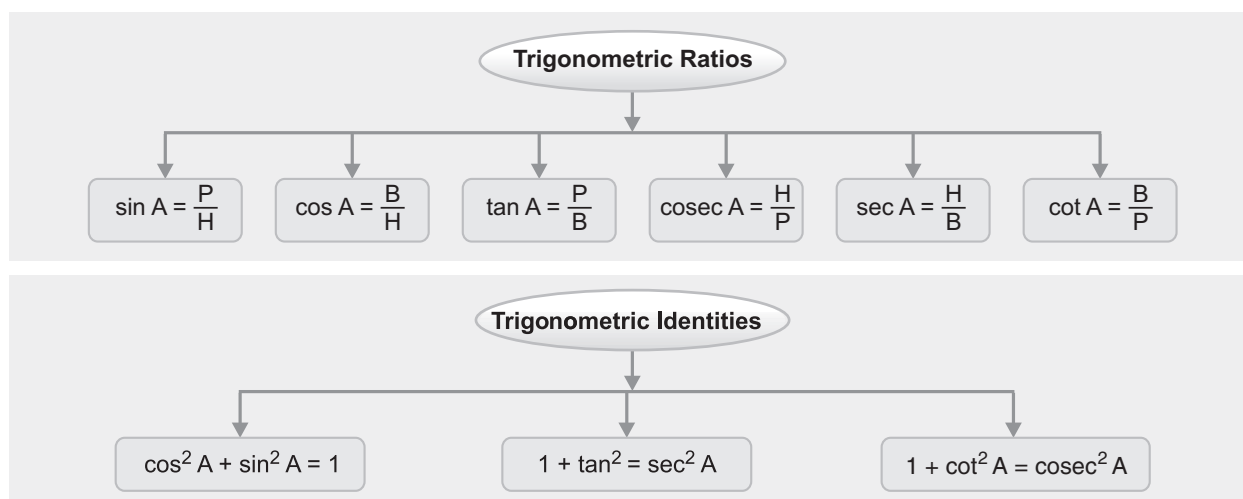
### Flowchart



## UNIT -V : Trigonometry

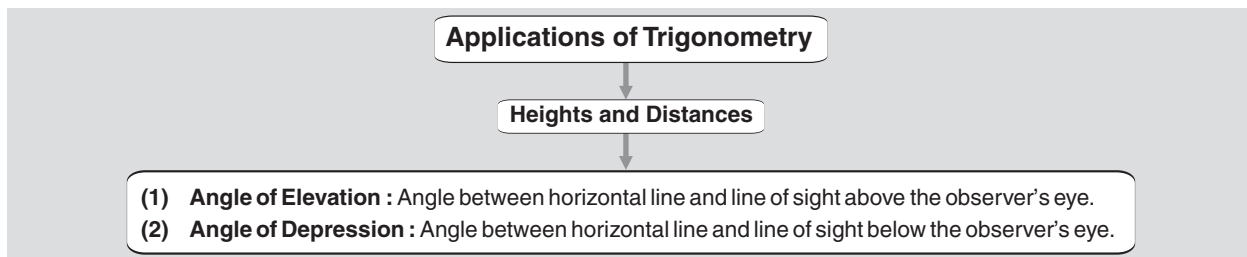
### Chapter - 10 : Introduction to Trigonometry and Trigonometric Identities

### Flowchart



## Chapter - 11 : Heights and distances

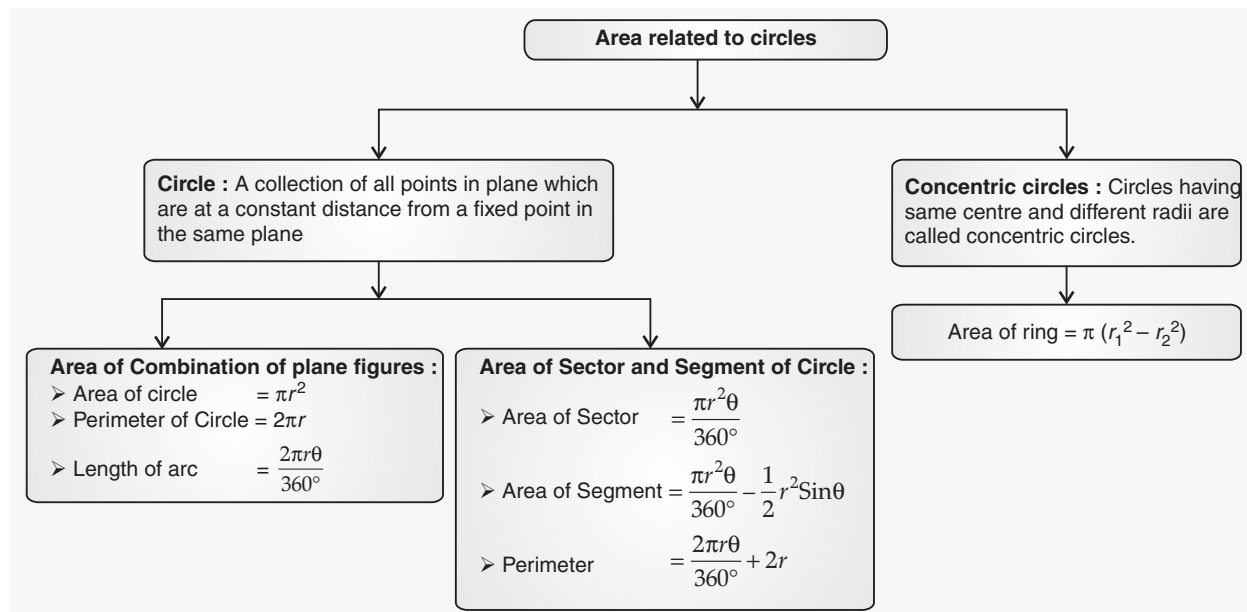
### Flowchart



## UNIT -VI : Mensuration

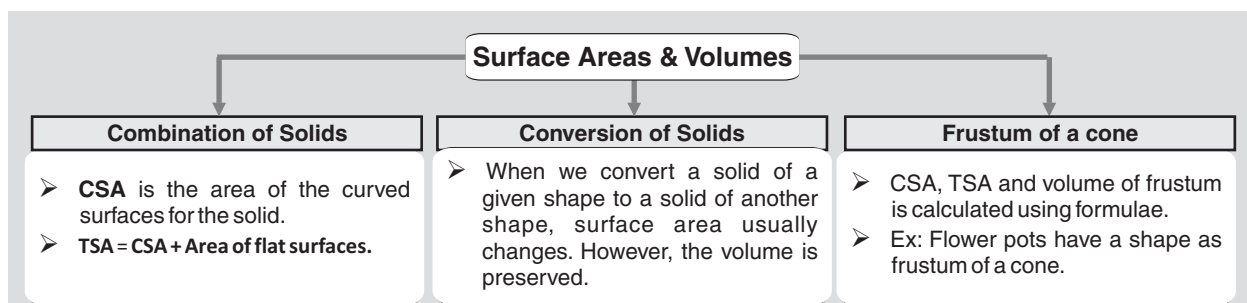
## Chapter - 12 : Areas Related to Circles

### Flowchart



## Chapter - 13 : Surface Areas And Volumes

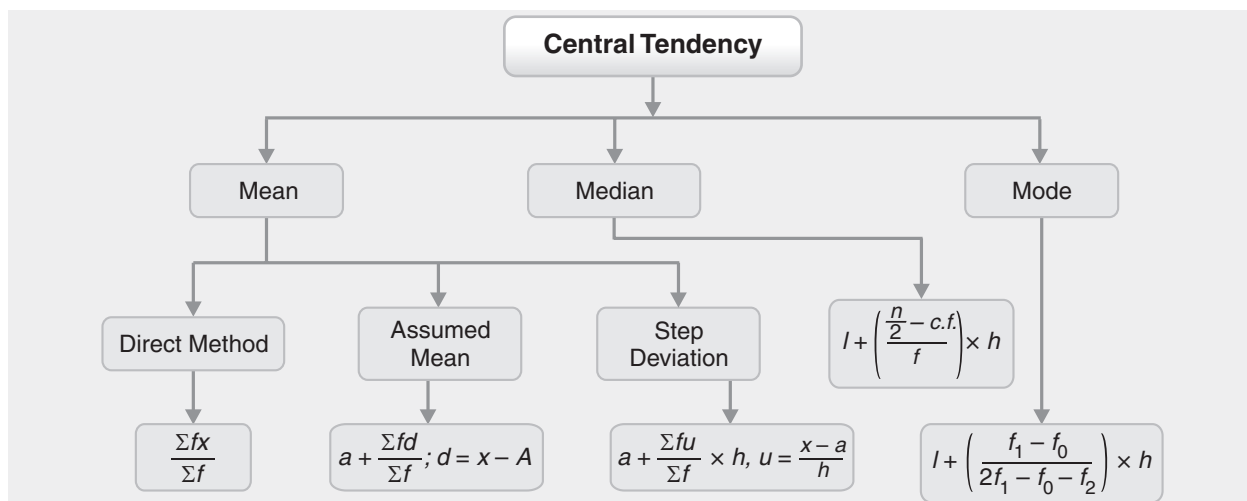
### Flowchart



## UNIT -VII : Statistics and Probability

### Chapter - 14 : Statistics

#### Flowchart



### Chapter - 15 : Probability

#### Flowchart

