

<b>Name of Course</b>	<b>Add-on Course</b>
<b>Class</b>	<b>BCA</b>
<b>Name of Subject</b>	<b>Quantitative Aptitude</b>
<b>Subject Code</b>	BCA-VI
<b>Marks</b>	<b>100 Marks</b>
<b>Lectures</b>	<b>50 Lectures</b>

### **Numerical Aptitude Objectives**

The main objective of numerical aptitude is to test the speed of the student along with his or her accuracy and competent to understand a question and then apply his or her knowledge base to get it solved.

### **Numerical Aptitude Outcomes**

On successful completion of the course the students will be able to understand the basic concepts of numerical ability.

#### **UNIT – I**

#### **1. Average and Equation 12**

##### **Lectures**

1.1 **Average:** Definition of average, Formulae and theoretical problem on average

1.2 **Equation:** Simple equation, Linear equation, Quadratic equation, Cubic equation.

#### **UNIT – II**

#### **2. Problems on Number and ages 13**

##### **Lectures**

2.1 **Problem on number, ages:** Simultaneous equations and their applications.

2.2. Theoretical problems on number and age.

#### **UNIT – III**

#### **2. Percentage, Profit and Loss 13**

##### **Lectures**

2.1 **Percentage:** Concept of percentage, Application of percentage, Results on populations, Result on depreciations, Theoretical problem on percentage.

2.2. **Profit and Loss:** Definition of cost price, selling price and profit, Formulae of profit and loss, Theoretical problems on profit and loss.

<b>UNIT - IV</b>
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**3. Time and Work, Time and Distance and Problems on Train**

**13**

**Lectures**

3.1 **Time and Work:** Concept of time and work, Relationship between time and work, Theoretical problems on time and work.

3.2 **Time and Distance:** Concept of time and distance, Formulae of time and distance, Theoretical problems on time and distance.

3.3 **Problems on Train:** Formulae of problems on train, Theoretical problems on train.

**References:**

1. Quantitative Aptitude by Dr.R.S Aggrawal , S. Chand and Company Publications
  2. Quantitative Aptitude by Abijit Guha ,Tata McGraw Hill Publications
  3. Objective Arithmetic by S.L Gulati, Cosmos book hive Pvt,5<sup>th</sup> edition 2015
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