Name of Course	**Add-on Course**
Class	**BCA**
Name of Subject	**Quantitative Aptitude**
Subject Code	BCA-VI
Marks	**100 Marks**
Lectures	**50 Lectures**

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.

UNIT - IV

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,5th edition 2015