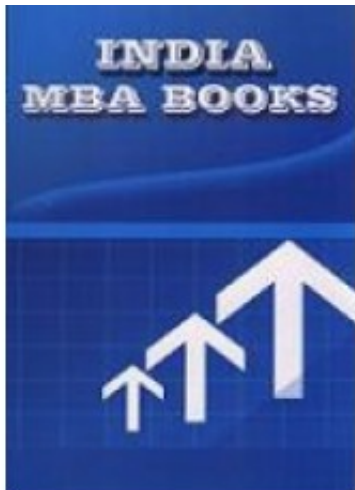


# QUANTITATIVE METHODS FOR BUSINESS - I



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## Short Description

**BANGALORE UNIVERSITY QUANTITATIVE METHODS FOR BUSINESS - I**

## Description

**QUANTITATIVE METHODS FOR BUSINESS - I  
SOLVED PAPERS AND GUESS**

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**Format: BOOK**

**Pub. Date: NEW EDITION APPLICABLE FOR Current EXAM**

**Publisher: MEHTA SOLUTIONS**

**Edition Description: 2018-19**

**RATING OF BOOK: EXCELLENT**

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## **1.5 QUANTITATIVE METHODS FOR BUSINESS - I**

### **OBJECTIVE**

To provide basic knowledge of quantitative methods and their application to commercial situations and for decision making in business.

#### **Unit 1: NUMBER SYSTEM 04 Hrs**

Introduction – Natural Numbers - Even Numbers – Odd Numbers – Integers – Prime Numbers – Rational &

Irrational numbers, Real Numbers, HCF & LCM ( Simple problems )

#### **Unit 2: THEORY OF EQUATIONS 12Hrs**

Introduction – Meaning – Types of Equations – Simple, Linear and Simultaneous Equations (only two

variables) Eliminations and Substitution Method only. Quadratic Equation – Factorization and Formula

Method ( $ax^2 + bx + c = 0$  form only). Problems on Commercial Application.

#### **Unit 3: PROGRESSIONS 12 Hrs**

Introduction – Arithmetic Progression - Finding the „nth term of an AP and Sum to nth term of AP. Insertion

of Arithmetic Means in given terms of AP and representation of 3 terms of AP. Geometric Progression –

Finding nth term of GP – Sum to „n?th Term of GP – Insertion of Geometric Means in given Geometric

Progression and also representation of 3 terms of GP.

#### **Unit 4: MATRICES AND DETERMINANTS 14Hrs**

Introduction, Meaning, types of matrices – operations of addition, subtraction, multiplication of two

matrices – problems, transpose of a square matrix. Determinant of a square matrix- minor of an element,

co-factor of an element of a determinant. adjoint of a square matrix, singular and non-singular matrices –

inverse of a square matrix – Problems on linear equations in two variables using Cramer?s rule.

#### **Unit 5: COMMERCIAL ARITHMETIC 14 Hrs**

Simple interest, Compound interest including half yearly and quarterly calculations, annuities Percentages,

bills discounting, concepts of Ratios, duplicate-triplicate and sub-duplicate of a ratio. Proportions, third,

fourth and inverse proportion - problems.

## **Details**

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