

KU/CDLU

# BUSINESS MATHEMATICS

Vol II

VIJAY CHAWLA • DEEPMALA • UPASNA • JATINDER KAUR • SHALLU GUPTA • SAURABH SINGLA



**A. S. PRAKASHAN, MEERUT**

*A Sister Concern of Pragati Prakashan, Meerut*

*Sweatsha*

# **BUSINESS MATHEMATICS**

*For B.Com. I Year (Second Semester)  
Students of K.U. and C.D.L.U.*

*As per New Syllabus*

WITH BEST COMPLIMENTS FROM:  
*Anil Sharma*  
ASM



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D-106, Saket, Meerut 250 001, U.P.

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*For B.Com. I Year (Second Semester) Students of K.U. and C.D.L.U.*

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**MATHEMATICS**

- Algebra
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- Number Theory and Trigonometry
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- Vector Calculus
- Advanced Calculus
- Partial Differential Equations
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- Sequences and Series
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- Real and Complex Analysis
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- Numerical Analysis

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# Syllabus

External Marks : 80  
Internal Marks : 20  
Time : 3 Hours

**Note :** Paper setter will set nine equations in all. Question No 1 comprising of five short types questions carrying four (4) marks each is compulsory. It covers the entire syllabus. Answer to each question should not be more than one page. Candidate is required to attempt four questions from the remaining eight questions carrying 15 marks each.

## Permutations and Combinations

### Binomial Theorem

**Linear Inequalities :** Graphical solution of linear equalities in two variables, solution of system of linear inequalities in two variables.

**Linear Programming-formulation of Equation :** Graphical method of solution; problems relating to two variables including the case of mixed constraints, cases having no solution, multiple solutions, unbounded solution and redundant constraints.

**Data Representation and Interpretation :** Introduction, classification and tabulation of data, Diagrammatic and graphic representation of data : significance of diagrams and graphs, Types of diagrams : bar diagram, pie chart, pictographs, graphs of time series or line graphs; graphs of frequency distribution : histogram, frequency polygon, ogives or cumulative frequency curves, limitations of diagrams and graphs.

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