

Elements of Mathematical Foundations



**B.C.A.
PAPER-124**

Kurukshetra University

JEEVANSONS PUBLICATIONS

CONTENTS

Chapter		Pages
1. <i>Logical Statements and Truth Tables</i>	....	1.1 – 1.36
2. <i>Principle of Mathematical Induction</i>	....	2.1 – 2.14
3. <i>Groups</i>	....	3.1 – 3.36
4. <i>Rings, Fields and Ideals</i>	....	4.1 – 4.37
5. <i>Matrices</i>	....	5.1 – 5.80
6. <i>Rank of a Matrix</i>	....	6.1 – 6.39
7. <i>Application of Matrices to Solution of System of Linear Equations</i>	....	7.1 – 7.32
8. <i>Characteristic Equation of a Matrix</i>	....	8.1 – 8.30