CONTENTS

1. Research and Research Process 1
- *Definition of Research and Nursing Research 2*

2. Research Problem Questions 15
- *Identification of Problem Area/Sources of Research Problems 15*
- *Writing Objectives 19*
- *Criteria of a Good Research Problem 20*

3. Review Related Literature 24

4. Research Approaches and Design 28
- *Overview of Research Design Types 28*
- *Quasi-Experimental Research 36*
- *Non-experimental Research 41*
- *Qualitative Research Design and Approach 47*

5. Sample Process and the Methods of Data Collection 53
- *Data Collection 59*
- *Other Criteria for Assessing Quantitative Measures 69*

6. Analysis of Data 71
- *Contents 71*
- *Data Verification 74*
- *Qualitative Data Analyses 83*

7. Introduction to Statistics 85
- *Definition 85*
- *Use of Statistics 85*
- *Scales of Measurement 85*
- *Frequency Distribution and Graphical Presentation of Data 87*
- *Presentation of Frequency Distribution 87*
- *Discrete Frequency Distribution 88*
- *Continuous Frequency Distribution 89*
- *Practical and True Class Intervals 89*
- *Determining the Number of Classes of Frequency Distribution .. 90*

- *Graphical Presentation of Data* 91
- *Bar Diagram* 91
- *Histogram* 92
- *Bar Diagrams* 95
- *Pie Diagram* 97
- *Measures of Central Tendency—Averages* 98
- *Mean* 99
- *Median* 100
- *Mode* 101
- *Measures Dispersion* 101
- *Range* 102
- *Quartile Deviation* 102
- *Decile Range* 103
- *Mean Deviation* 103
- *Standard Deviation* 104
- *Exercise* 106
- *Coefficient of Variation* 107
- *Normal Probability and Test of Significance* 108
- *Rules of Probability* 112
- *Test of Significance* 114
- *Correlation and Regression* 116
- *Methods of Study of Correlation* 117

8. Communication and Utilization of Research 122

- *Contents* 122
- *Other Aspects of the Report* 124
- *Guidelines for Critiquing the Presentation of Research Report* 127
- *Incorporating Research Into Practice* 128

***Index* 133**