iled information on nursing books, visit our website **www.jaypeebrothers.com,** for detailed information on nursing books, visit our website **www.jaypeebrothers.com**



Exercise Book of Nursing Research

Indarjit Walia



JAYPEE

Contents

Section 1: Exercise Book on Nursing Research

Exercise 1.	Learning Research	3
Exercise 2.	Competencies to Conduct Research	4
Exercise 3.	Information Requisite to Conduct Research	6
Exercise 4.	Research Types	11
Exercise 5.	Nursing Problems	14
Exercise 6.	Research Designs	16
Exercise 7.	Research Statements	17
Exercise 8.	Analyze Research Statements	18
Exercise 9.	Evaluate Research Statements	19
Exercise 10.	Rate Research Statements	20
Exercise 11.	Objectives	21
Exercise 12.	Variables	22
Exercise 13.	Extraneous Variables	25
Exercise 14.	Literature Review	26
Exercise 15.	Citing and Referencing	27
Exercise 16.	Referencing	28
Exercise 17.	Hypotheses	29
Exercise 18.	Nursing Theories	31
Exercise 19.	Double Blind Research Design	32
Exercise 20.	Sample Selection	33
Exercise 21.	Study Subjects	34
Exercise 22.	Communications to Study Subjects	37
Exercise 23.	Consent of Study Subjects	38
Exercise 24.	Delimitations	39
Exercise 25.	The Settings of Study	40
Exercise 26.	Time Required for Study	41
Exercise 27.	Standardized Tool	43
Exercise 28.	Tools	44
Exercise 29.	Manipulation of Research Statement	52
Exercise 30.	Crossover Design	54
Exercise 31.	Protocol Development	55
Exercise 32.	Types of Data	56
Exercise 33.	Data Collection	57

Exercise 34. Uses of Identification Data 58
Exercise 35. Identification Data 59
Exercise 36. Sociodemographic Data 60
Exercise 37. Socioeconomic Scales 61
Exercise 38. Uses of Sociodemographic Data 62
Exercise 39. Data Description 63
Exercise 40. Coding Keys 64
Exercise 41. Use of Excel Sheet 66
Exercise 42. Data Presentation 67
Exercise 43. Types of Data Interpretation 70
Exercise 44. Interpretation of Data 71
Exercise 45. References 72
Exercise 46. Writing Literature Review 74
Exercise 47. Research Process 76
Exercise 48. Analyzing Research Articles 77
Exercise 49. Statistical Packages 85
Exercise 50. Arrange the Data 86
Exercise 51. Measures of Central Tendency 88
Exercise 52. Calculate Central Tendency 89
Exercise 53. Dispersion of Data 90
Exercise 54. Use of the Data 92
Exercise 55. Presentation of the Data 93
Exercise 56. Data Analysis 95
Exercise 57. Summarize what is Learned 96

Section 2: Annexures

Annexure 1. Selected Statistical Symbols and Formulas 99
Annexure 2. Terminology Used in Research 102
Annexure 3. Steps of Research Process 111
Annexure 4. Synopsis for Research 112
Annexure 5. Steps of Report Writing 114
Annexure 6. Acquiring Knowledge 116
Annexure 7. Points to Think 117
Annexure 8. 'Research' 118
Nursing Research Syllabus of MSc, BSc and Post Basic BSc Nursing (As per INC) *121*

EXERCISE

1 Learning Research

Describe 'your own' objectives of learning the conduct of research:

1. _____

_____

2. _____

_____

3. _____

_____

4. _____

_____

5. _____

_____

JAYPEE BROTHERS

EXERCISE

2 Competencies to Conduct Research

Analyze 'your own' competencies which would favor you to easily use the nursing process.

Competencies	Possess (p) or not (n)
1. Reading literature	.....
2. Surfing journals and books in the libraries	.....
3. Preparing bibliography and reference list	.....
4. Preparing notes for what is read	.....
5. Interpreting what is read	.....
6. Listing research problems	.....
7. Evaluating research statement	.....
8. Clarifying variables and the concepts	.....
9. Building operational definitions	.....
10. Avoid bias in selection of subjects	.....
11. Use of Randomization in selection of subjects	.....
12. Learning and describing settings in length	.....
13. Choosing valid and reliable tools	.....
14. Developing measurements of data	.....
15. Seeking guidance from nursing and subject experts	.....

JAYPEE BROTHERS

16. Seeking and accepting criticism of work .....

17. Improving competencies of nursing interventions .....

18. Recording incidences while conduct of research .....

19. Being specific while collecting data .....

20. Punctual in conduct of research .....

21. Truthful in narrating observations .....

22. Preparing coding sheet .....

23. Using excel sheet .....

24. Use of statistical software packages .....

25. Use of appropriate statistical formulas .....

26. Preparing tables and figures .....

27. Describing data .....

28. Comparing data with information in the literature .....

29. Critically evaluate own work .....

30. Editing notes for content and language .....

31. Paraphrasing .....

32. Speed in writing by use of computers .....

33. Preparing power point slides .....

34. Preparing research report .....

35. Disseminating report in writing and by presentations .....

JAYPEE BROTHERS

EXERCISE

3 Information Requisite to Conduct Research

Describe

1. Organization for which the research is to be conducted.

2. Instructions from the organization on
   - Choice of the topic.

JAYPEE BROTHERS

- Time frame of the conduct of the research.

- Preferable methods of research.

- Size of the text and its presentation for the synopsis and the thesis.

JAYPEE BROTHERS

- Sequence of contents of write-up for synopsis and the thesis.

- Reference and the citation style.

- Requirement of the guide or guides.

JAYPEE BROTHERS

3. Financial aid available and its conditions.

JAYPEE BROTHERS

4. Name the organizations which are likely to offer financial aids for nursing research.

JAYPEE BROTHERS

EXERCISE

4 Research Types

Differentiate among the following research types:

1. Deductive and inductive research.

.....

.....

.....

.....

.....

2. Basic research and applied research.

.....

.....

.....

.....

.....

JAYPEE BROTHERS

3. Quantitative and qualitative research.

.....

.....

.....

.....

.....

.....

.....

4. Descriptive and analytical research.

.....

.....

.....

.....

.....

.....

.....

JAYPEE BROTHERS

5. Conceptual and empirical research.

.....

.....

.....

.....

.....

.....

.....

6. Quantitative and qualitative research.

.....

.....

.....

.....

.....

.....

.....

JAYPEE BROTHERS

EXERCISE

5 Nursing Problems

List at least twenty-five nursing problems you would like to research:

1.
2.
3.
4.
5.
6.
7.
8.
9.
10.
11.

JAYPEE BROTHERS

for detailed information on nursing books, visit our website **www.jaypeebrothers.com,** for detailed information on nursing books, visit our website **www.jaypeebroth**

Exercise Book of Nursing Research

Available at all medical book stores
or buy directly from Jaypee Brothers through online shopping
at www.jaypeebrothers.com



JAYPEE BROTHERS
Medical Publishers (P) Ltd.
www.jaypeebrothers.com