

25/6/2019

Kolwija

54008

[Total No. of Pages : 2

First M.Sc. Nursing Examination, Summer (Phase - II) 2019
NURSING RESEARCH AND STATISTICS - IV

Total Duration : 3 Hours

Total Marks : 75

- Instructions :**
- 1) Use **blue/black** ball point pen only.
 - 2) **Do not** write anything on the **blank portion of the question paper.** If written anything, such type of act will be considered as an attempt to resort to unfair means.
 - 3) **All questions are compulsory.**
 - 4) The number to the **right** indicates **full marks.**
 - 5) Draw diagrams **wherever** necessary.
 - 6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.
 - 7) Use a common answer book for all sections.

SECTION - I (50 Marks)
(Research)



1. Long answer question: [12]
 - a) Define assumptions. What are different types of assumptions.? [3]
 - b) Explain sources of research problem. [4]
 - c) Ethical consideration in Nursing Research. [5]

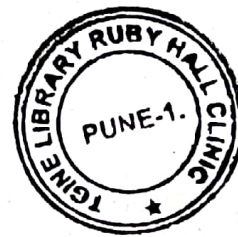
2. Long answer question: [12]
 - a) Define reliability and validity. [3]
 - b) Characteristics of good Hypothesis. [4]
 - c) Discuss importance of Evidence based practice in nursing service, education and administration. [5]

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3. Long answer question: [11]
- a) What are the purposes of Data Collection? [2]
 - b) Explain factors affecting data collection give examples. [4]
 - c) Explain the steps of developing Conceptual Framework and its uses. [5]
4. Short answer question (any three out of five): [3 × 5 = 15]
- a) Steps of Quantitative Research process.
 - b) Discuss the components of research problem statement.
 - c) Interview as a method of data collection.
 - d) Quasi experimental research design.
 - e) Uses of Computers in Nursing Research.

SECTION - II (25 Marks)
(Statistics)



5. Long answers question: [10]
- a) Explain the meaning and significance of statistics in nursing. [4]
 - b) Explain briefly methods to test the reliability. [6]
6. Short answer question (any three out of five) : [3 × 5 = 15]
- a) Chi square test.
 - b) Non parametric tests.
 - c) Measures of Central tendency.
 - d) Standard Deviation.
 - e) Sampling.

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First M.Sc. Nursing Examination, Summer 2018
NURSING RESEARCH AND STATISTICS – IV

Total Duration : Section I + II, = 3 Hours

Total Marks : 75

SECTION -- I and SECTION – II

Instructions :

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- 4) The number to the **right** indicates **full marks**.
- 5) Draw diagrams **wherever** necessary.
- 6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.
- 7) Use a common answerbook for **all Sections**.

SECTION – I (50 Marks)

(RESEARCH)

- | | |
|--|------------|
| 1. Long answer question : | (3+4+5=12) |
| a) Define research design and explain its importance. | 3 |
| b) Explain the characteristics of good research. | 4 |
| c) Discuss various types of quantitative research design. | 5 |
| 2. Long answer question : | (3+4+5=12) |
| a) Define reliability & validity of the measuring instruments. | 3 |
| b) Explain the types of measurement errors. | 4 |
| c) Describe the methods for assessing reliability & validity of measuring instruments. | 5 |
| 3. Long answer question : | (2+4+5=11) |
| a) Define target & accessible population. | 2 |
| b) Discuss advantages & disadvantages of non probability sampling technique. | 4 |
| c) Discuss merits & demerits of observation as a data collection instrument with examples. | 5 |

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(3×5=15)

4. Write short notes (any three out of five) :
- a) Steps of publishing a research article.
 - b) Research hypothesis.
 - c) Meta analysis.
 - d) Close ended questions.
 - e) Purposes of review of literature.

SECTION – II (25 Marks)

(STATISTICS)

5. Long answer question :
- a) Define sampling. Explain the classification.
 - b) Briefly discuss any method of sampling.

(4+6=10)

4

6

6. Write short notes (any three out of five) :
- a) Level of significance.
 - b) Evidence based nursing.
 - c) Chi square test.
 - d) Use of vital statistics.
 - e) Sample size for estimating CI for population proportion.

(3×5=15)

Original

Library



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First M.Sc. Nursing Examination, Summer 2017
NURSING RESEARCH AND STATISTICS – IV

Total Duration : 3 Hours

Total Marks : 75

- Instructions :**
- 1) Use **blue/black** ball point pen only.
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 - 3) **All** questions are **compulsory.**
 - 4) The number to the **right** indicates **full** marks.
 - 5) Draw diagrams **wherever** necessary.
 - 6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.
 - 7) **Use** a common answerbook for **all** Sections.

SECTION – I (50 Marks)
(Research)

1. Long answer question : (3+4+5=12)
 - a) Define evidence based nursing. List the purposes of evidence based nursing practice. 3
 - b) Explain the principles of ethics applicable to nursing research. 4
 - c) Enumerate Qualitative Research Designs and explain any two in detail. 5

2. Long answer question : (3+4+5=12)

You would like to find the reasons for decrease in the quality of nursing education. Answer the following on the basis of this statement :

 - a) Develop a problem statement for your study. 3
 - b) Describe pilot study in terms of definition and importance. 4
 - c) What are the components of a research proposal ? 5

P.T.O.





3. Long answer question : (2+4+5=11)
- a) What is the difference between content, construct and face validity of an instrument ? 2
 - b) Discuss non probability sampling techniques. 4
 - c) Describe data presentation techniques. 5
4. Write short answer (any three out of five) : (3×5=15)
- a) Descriptive analysis.
 - b) Methods of testing Reliability of a tool.
 - c) Purposes of using theoretical frameworks in nursing research.
 - d) Types of hypothesis.
 - e) Inductive reasoning.

SECTION – II (25 Marks)
(Statistics)

5. Long answer question : (4+6=10)
- a) Define Vital statistics. Enumerate the uses of vital statistics. 4
 - b) Describe measures of Central Tendency. 6
6. Write short answer (any three out of five) : (3×5=15)
- a) Standard deviation.
 - b) Latin squares design.
 - c) Use of statistical packages.
 - d) Rank order correlation.
 - e) Normal Distribution.





**First Year M.Sc. Nursing Examination, Winter 2016
NURSING RESEARCH AND STATISTICS – IV**

Total Duration : 3 Hours

Total Marks : 75

- Instructions :**
- 1) Use blue/black ball point pen only.
 - 2) Do not write anything on the **blank portion of the question paper**. If written anything, such type of act will be considered as an attempt to resort to unfair means.
 - 3) All questions are **compulsory**.
 - 4) The number to the **right** indicates **full marks**.
 - 5) Draw diagrams **wherever** necessary.
 - 6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.
 - 7) Use a common answerbook for **all** section.

SECTION – A

(50 Marks)

(Research)

1. Long answer question. **(3+4+5=12)**
 - a) Explain the scope of research in India. **3**
 - b) Explain the criteria for selecting good research problem. **4**
 - c) Discuss briefly code of ethics in research. **5**
2. Long answer question. **(3+4+5=12)**
 - a) Define research design and list down the elements of research design. **3**
 - b) Classify non experimental design and explain advantages and disadvantages of non experimental design. **4**
 - c) Discuss Ethnographic research as a qualitative research with example. **5**
3. Long answer question. **(2+4+5=11)**
 - a) Define reliability and validity. **2**
 - b) How you will measure the reliability for research tool ? **4**
 - c) Explain the purposes and procedure for conducting pilot study. **5**

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4. Short answer question (any three out of five) : (3x5=15)
- a) Power analysis.
 - b) Snowball sampling and its merits and demerits.
 - c) Assumption.
 - d) Steps for writing literature review.
 - e) Methods of communication of research.

SECTION – II
(Statistics)

(25 Marks)

5. Long answer question. (4+6=10)
- a) Explain the uses and application of statistics in nursing. 4
 - b). Explain the most commonly used measures of dispersion. 6
6. Short answer question (any three out of five) : (3x5=15)
- a) Analysis of variance.
 - b) Graphical presentation of data.
 - c) Type I and Type II error.
 - d) Computer analysis of quantitative data.
 - e) Uses and sources of vital statistics.
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First M.Sc. (Nursing) Examination, Summer 2015
NURSING RESEARCH AND STATISTICS – IV

Total Duration : Section A + B = 3 Hours

Total Marks : 75

SECTION – A & SECTION – B

- Instructions :**
- 1) Use **blue/black** ball point pen only.
 - 2) Do not write anything on the **blank portion of the question paper**. If written anything, such type of act will be considered as an attempt to resort to unfair means.
 - 3) **All questions are compulsory.**
 - 4) The number to the **right** indicates **full marks**.
 - 5) Draw **diagrams wherever necessary**.
 - 6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.
 - 7) **Use common answer book for all Sections.**

SECTION – A (50 Marks)
(Research)

1. Long answer.

- a) Explain inductive and deductive reasoning.
- b) Explain the characteristics of good research.
- c) Discuss the steps of qualitative research process.

(3+4+5=12)

3

4

5

2. Long answer.

- a) List down the components of problem statement.
- b) Explain the need of stating research objective and explain its characteristics.
- c) Explain the various types of hypothesis with example.

(3+4+5=12)

3

4

5

3. Long answer.

- a) List down non experimental research design.
- b) Discuss about correlational research design.
- c) Explain about internal validity of research design and discuss the threats to the internal validity.

(2+4+5=11)

2

4

5

P.T.O.



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4. Short answer question (any three out of five) : (3x5=15)
- a) Enlist and describe the essential parts of scientific publication.
 - b) Skills needed for writing literature review.
 - c) Problems encountered by researcher during sampling process.
 - d) Types of data for qualitative studies.
 - e) Types of snowball sampling and its merits and demerits

SECTION - B (25 Marks)

(Statistics)

5. Long answer. (4+6=10)
- a) What do you mean by descriptive and inferential statistics? 4
 - b) Discuss the four levels of measurement in statistics. 6
6. Short answer question (any three out of five) : (3x5=15)
- a) Measures of location.
 - b) Tabulation.
 - c) Logistic regression.
 - d) Application of computers in biostatistics.
 - e) Confidence interval (CI).



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First M.Sc. Nursing, Summer-2014 Examination
NURSING RESEARCH AND STATISTICS - IV

Total Duration : 3 Hours

Total Marks : 75

Section-B and Section-C

Instructions: 1) Use blue/black ball point pen only.

- 2) Do not write anything on the blank portion of the question paper. If written anything, such type of act will be considered as an attempt to resort to unfair means.
- 3) All questions are compulsory.
- 4) The number to the right indicates full marks.
- 5) Draw diagrams wherever necessary.
- 6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.
- 7) Use a common answerbook for all sections

SECTION - I
Research

(50 Marks)

- 1. Answer the following. (3+4+5=12)
 - a) Explain the importance of Research in Nursing. 3
 - b) Explain the scientific versus problem solving method. 4
 - c) Discuss the importance of evidence based practices in nursing service, education, and administration. 5
- 2. Answer the Following. (3+4+5=12)
 - a) Define Review of Literature and list the sources of review of literature. 3
 - b) Explain purposes of review of literature 4
 - c) Discuss the importance of critical analysis of research reports and articles. 5
- 3. Answer the following. (2+4+5=11)
 - a) Enlist the types of research. 2
 - b) Explain the steps of quantitative research design. 4
 - c) Explain the steps of developing conceptual framework and its uses in research. 5
- 4. Brief answer question (any three out of five) : (3x5=15)
 - a) Hypothesis
 - b) Test retest method
 - c) Importance of pilot study
 - d) Uses of computer in nursing
 - e) Bias

(P.T.O.)

Summer 2014



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SECTION - II
Statistics

25 Marks

5. Answer the following (4+6=10)
- a) Explain the meaning and significance of statistics in nursing research 4
 - b) Discuss the various methods of presentation of data 6
6. Brief answer question (any three out of five) : (3x5=15)
- a) Chi Square test
 - b) Type I and type II error
 - c) Measures of central tendency
 - d) Co-relation and coefficient.
 - e) ANOVA
-



NURSING RESEARCH AND STATISTICS - IV

Duration: 3 Hours

Total Marks: 75

Instruction 1) Use **blue/black** ball point pen only.

2) **Do not** write anything on the **blank portion of the question paper**. If written anything, such type of act will be considered as an attempt to resort to unfair means.

3) **All** questions are **compulsory**.

4) The number to the **right** indicates **full marks**.

5) Draw diagrams **wherever** necessary.

48/75 ✓

SECTION - I
Research

30/18/48

50 Marks

1. Long answer question.

- a) Define the term research design and its importance.
- b) Explain the characteristics of good research design.
- c) Discuss various types of quantitative research design.

(3+4+5=12)

3
4
5



2. Long answer question.

- a) Give the characteristics of true experimental design.
- b) Discuss the strengths and limitations of experimental design.
- c) Elaborate the steps of experimental design.

(3+4+5=12)

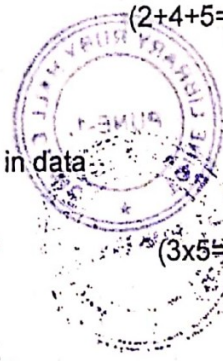
3
4
5

3. Long answer question.

- a) Define the term data collection and its purposes.
- b) Comment on issues in data collection in qualitative research.
- c) Discuss the approaches most frequently used by nurse researcher in data collection.

(2+4+5=12)

2
4
5



4. Brief answer question (**any three** out of five) :

- a) Research hypothesis.
- b) Bias in research studies.
- c) Factors affecting validity and reliability.
- d) Close ended questions.
- e) Unstructured observation methods.

(3x5=15)

(P.T.O.)

Summer 2013



Summer-2013 Examination

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SECTION - II
Statistics

18

5. Long answer question.
- a) Explain the principles of tabulation.
 - b) Discuss the presentation of quantitative and qualitative data.
6. Brief answer question (any three out of five) :
- a) Normal probability curve.
 - b) Constructing frequency polygon.
 - c) Vital health statistics.
 - d) Measures of central tendency.
 - e) ANOVA.

25 Marks

(4+6=10)

4

6

(3x5=15)





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**First M.Sc. Nursing Examination, Summer 2012
NURSING RESEARCH AND STATISTICS – IV**

Duration : 3 Hours

Total Marks : 75

- Instructions:** 1) Use **blue/black** ball point pen only.
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 3) **All** questions are **compulsory**.
 4) The number to the **right** indicates **full** marks.
 5) Draw diagrams **wherever** necessary.

**SECTION – I
(Nursing Research)**

(3+4+5=12)

- | | |
|--|-------------------|
| 1. a) Differentiate between quantitative and qualitative research. | 3 |
| b) Discuss the importance of clinical researches in nursing. | 4 |
| c) Discuss about the importance of nursing theories in formulation of concepted frame work with any one example. | 5 |
| | (3+4+5=12) |
| 2. a) List the principles of ethics involved in nursing research. | 3 |
| b) Discuss the types of tests of reliability. | 4 |
| c) Discuss on types of hypotheses with one example each. | 5 |
| | (2+4+5=11) |
| 3. a) Define target and accessible population. | 2 |
| b) Discuss on advantages and disadvantages of non probability sampling technique. | 4 |
| c) Discuss on merits and demerits of observation as a data collection instrument with examples. | 5 |
| 4. Write short answers (any three out of five) : | (3×5=15) |
| - a) Rating scales | |
| b) Steps of publishing a research article | |
| c) Steps of critiquing an article | |
| d) Purposes of review of literature | |
| e) Steps of quantitative research. | |

P.T.O.

Summer 2012

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SECTION - II
(Statistics)

5. Write long answers : (4+6=10)
- a) Differentiate between descriptive and inferential statistics. 4
 - b) Discuss the importance of parametric tests and the criteria of application of parametric tests. 6
6. Write short answers (any three out of five) : (3x5=15)
- a) Arithmetic mean
 - b) Paired 't' test
 - c) Correlation and coefficient tests
 - d) Types and graphs in data presentation
 - e) Standard deviation.





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**First M.Sc. Nursing Examination, May/June 2011
NURSING RESEARCH AND STATISTICS – IV**

Duration: 3 Hours

Total Marks: 75

- Instructions :**
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 - 2) Do not write anything on the **blank portion of the question paper.** If written anything, such type of act will be considered as an attempt to resort to unfair means.
 - 3) All questions are **compulsory.**
 - 4) The number to the **right indicates full marks.**
 - 5) Draw diagrams **wherever necessary.**



SECTION-I

(Nursing Research)

(Marks 50)

Long Answer :

12

1. a) Define the purpose of Research. 3
- b) Discuss the common resources for literature review in Nursing Research. 4
- c) Describe any two types of sampling for qualitative research. 5

Long Answer :

12

2. a) Enumerate the steps in developing a data collection plan for quantitative studies. 3
- b) Explain methods of control in subject characteristics. 4
- c) Briefly discuss phenomenology as a research tradition. 5

Long Answer :

11

3. a) What are the purposes of data collection ? 2
- b) Describe briefly the different dimensions of research critique. 4
- c) What are the criteria for accessing implementation potential of research in nursing practice ? 5

P.T.O.

May / June 2011

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Short answers :

15

4. Write short answers on any three (3) :

(3×5=15)

- a) Hypothesis and Assumption ✓
- b) Review of Literature ✓
- c) Schematic and statistical models
- d) Likert's scales in collecting self report data ✓
- e) Non-random sampling schemes. ✓

SECTION - II

(Statistics)

(Marks 25)

Long Answer :

10

- 5. a) Define data. What are two types of data ? Explain various methods of presentation of data. 4
- b) Write various uses of computers in medicine. 6

Short answers :

15

6. Write short answers on any three :

(3×5=15)

- a) Student's t-test
- b) Measures of variation ✓
- c) Properties of Normal Distribution with diagram ✓
- d) Standard error of sample mean and proportion
- e) Uses of Vital Statistics. ✓





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4

First M.Sc. Nursing Examination, May/June 2010
NURSING RESEARCH AND STATISTICS – IV

Duration : 3 Hours

Total Marks : 75

- Instructions:** 1) Use blue/black ball point pen only.
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3) All questions are compulsory.
4) The number to the right indicates full marks.
5) Draw diagrams wherever necessary.



SECTION – I

(Marks - 50)

1. a) List the importance of nursing research. 3
b) Discuss briefly about the current state of nursing research in India. 4
c) Discuss briefly the ethics of nursing research in India. 5
2. a) List the purposes of review of literature. 3
b) Discuss the common types of information used as review of literature in a post graduate research study in nursing. 4
c) Discuss briefly the steps of writing the review of literature for a post graduate research study. 5
3. a) Define research design. 2
b) Differentiate between quantitative and qualitative research approaches. 4
c) Explain briefly the merits and demerits of both quantitative and qualitative approaches. 5
4. Write short answer (any three) : (3×5=15)
 - a) Validity of Instrumentation
 - b) Conceptual frame work
 - c) Importance of pilot study
 - d) Advantages and disadvantages of participatory observation technique.
 - e) Random Sampling.

P.T.O.

May / June 2010

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SECTION--II

(Marks-25)

5. a) Discuss briefly about inferential statistics. 4
b) Explain briefly about the statistical methods to test the reliability of an instrument. 6
6. Write short answer (any three) (3x5=15)
- a) Differentiate between parametric and non parametric tests
 - b) Standard deviation
 - c) Normal Probability curve
 - d) Types of correlations
 - e) Linear Regression.





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First M.Sc. Nursing Examination, Nov./Dec. 2009
NURSING RESEARCH AND STATISTICS - IV

Duration: 3 Hours

Total Marks: 75

- Instructions :**
- 1) Use blue/black ball point pen only.
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 - 3) All questions are compulsory.
 - 4) The number to the right indicates full marks.
 - 5) Draw diagrams wherever necessary.



SECTION - I
(Nursing Research)

- | | |
|--|-----------------|
| | 50 |
| 1. a) List the purposes of literature review. | 3 |
| b) Discuss the common resources for literature review in nursing research. | 4 |
| c) Describe the steps involved in review of literature. | 5 |
| 2. a) What are the dimensions of research designs ? | 3 |
| b) Explain methods of control in subject characteristics. | 4 |
| c) Briefly discuss phenomenology as a research tradition. | 5 |
| 3. a) What are the purposes of data collection ? | 2 |
| b) Explain the advantages and disadvantages of Interview. | 4 |
| c) Discuss the data collection methods for quantitative research. | 5 |
| 4. Write short answers (any three) : | (3×5=15) |
| a) Scope of Nursing research. | |
| b) Role of theories and conceptual models in Nursing research. | |
| c) Characteristics of true experiments. | |
| d) Non probability sampling methods. | |
| e) Communicating research findings. | |



P.T.O.

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SECTION-II
(Statistics)

25

- 5. a) Discuss types of data. 4
- b) Explain the methods of presentation of analysed data. 6
- 6. Write short answers (any three) (3×5=15)
 - a) Applications of normal distribution.
 - b) Appropriate use of measures of central tendency.
 - c) Non parametric tests.
 - d) Inference errors in hypothesis testing.
 - e) Coefficient of correlation.

