First M.Sc. Nursing Examination, Winter - 2022
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.** Rough Work should be not be done on the Answer Sheets or anywhere on the question paper except the specific space provided for the rough work. 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 (50 Marks)

(Research)

1. Long answer question :   [3+4+5=12]

   a) List purposes of research.   [3]

   b) Explain difference between scientific & problem solving method. [4]

   c) Discuss steps of research process.   [5]

2. Long answer question :   [3+4+5=12]

   a) Define and list the component of problem statement.   [3]

   b) Differentiate between declarative and interrogative statements. [4]

   c) How will you select, develop a research topic (give example)   [5]

3. Long answer question : [2+4+5=11]

   a) Define review of literature. [2]

   b) Explain the following terms. [4]

      i) Indexes

      ii) Abstract

      iii) Grey Literature.

      iv) Descendancy approach

   c) Discuss the sources of literature review. [5]

4. Short answer questions (**any three** out of five) : [3×5=15]

   a) Probability sampling.

   b) CINAHL.

   c) Pilot study.

   d) Questionnaire.

   e) Utilization of research Findings

SECTION - II (25 Marks)

(Statistics)

5. Long answer Question : [4+6=10]

   a) Explain the concept of vital statistics. [4]

   b) Discuss in detail about inferential and descriptive statistics.give example. [6]

6. Short answer questions (**any three** out of five) : [3×5=15]

   a) Level of significance.

   b) Measures of central tendency.

   c) Skewness vs kurtosis.

   d) Difference between Correlation & Regression.

   e) Validity And Reliability.

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First M.Sc. Nursing Examination, (Phase - II) Summer - 2022
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** sections.

SECTION - I (50 Marks)

1. Long answer question: [3+4+5=12]
   a) Differentiate experimental and quasi experimental research design.
   b) Explain randomized block design with suitable example.
   c) What are the ethical issues you will consider while conducting experimental research.

2. Long answer question: [3+4+5=12]
   a) What do you mean by sampling error and sampling bias?
   b) Which are the problems you may face during sampling process?
   c) Describe non probability sampling in detail.

3. Long answer question: [2+4+5=11]
   a) Explain the different methods and tools used for data collection.
   b) Which methods and tool you will use in experimental design to assess the practice of nursing students in the clinical area?
   c) How will you measure the reliability for research tool?

4. Short answer question (**any three** out of five): [3 + 5 = 15]
   a) Enlist and describe the essential parts of scientific publication.
   b) Electronic database in literature review.
   c) Describe the role of nursing research in improving nursing practice.
   d) Explain the types of hypothesis with suitable example.
   e) Differentiate references and bibliography.How the citation of references done?

SECTION - II (25 Marks)

5. Long answer question: [4+ 6 = 10]
   a) What do you mean by descriptive and inferential statistics?
   b) Explain the diagrammatic and graphical presentation of data.

6. Short answer question (**any three** out of five): [3 × 5 = 15]
   a) Percentile(measures of location).
   b) ANOVA.
   c) Sources of Vital Statistics.
   d) Constructing frequency polygon.
   e) Discuss Z-test as a test of significance.

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First M.Sc. Nursing Examination, Winter - 2021 (Phase - II)
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 :   [3 + 4 + 5 = 12]

a)   Compare the research process and problem solving process.   [3]

b)   Explain the problems faced in nursing research.   [4]

c)   Discuss evidence based practices in nursing.   [5]

2.   Long Answer Question :   [3 + 4 + 5 = 12]

a)   Explain the different techniques of data collection.   [3]

b)   Discuss biophysiological method of data collection.   [4]

c)   How is the validity of research tool done?   [5]

3. Long Answer Question : [2 + 4 + 5 = 11]

   a) List down different types of sampling techniques. [2]

   b) Discuss about cluster sampling with its merits and demerits. [4]

   c) Discuss factors affecting sampling and sampling techniques. [5]

4. Short answer questions (**any three** out of five) : [3 × 5 = 15]

   a) Steps for development of conceptual framework.

   b) Electronic sources of literature review.

   c) Action research.

   d) Vancouver style of references.

   e) Importance of publication.

SECTION - II [25 Marks]

(Statistics)

5. Long Answer Question. [4 + 6 = 10]

   a) Explain the uses and application of statistics in nursing. [4]

   b) Discuss measures related to fertility, morbidity, mortality in statistics in health. [6]

6. Short answer question (**any three** out of five) : [3 × 5 = 15]

   a) Application of Chi-square test.

   b) Graphical and tabular presentation of data.

   c) Parametric Test.

   d) Percentiles (measures of location).

   e) Ogive curve.

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First M.sc. (Nursing) Examination, Summer Phase - II (All Other, Except PG Medical) - 2021
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 :   [3 + 4 + 5 = 12]
    a) Define scientific method of research.   [3]
    b) Explain inductive and deductive reasoning.   [4]
    c) Discuss scope of nursing research in the profession.   [5]

2. Long answer question: [3 + 4 + 5 = 12]
    a) List the importance of Review of literature.   [3]
    b) Explain the purposes and scope of review of literature.   [4]
    c) Discuss steps in review of literature.   [5]

3. Long answer question.   [2 + 4 + 5 = 11]
    a) Define research design.   [2]
    b) Write the characteristics of research design.   [4]
    c) Explain experimental research design.   [5]

4. Short answer question (**any three out of five**) : [3 × 5 = 15]

    a) Sampling techniques.

    b) Importance of theories in nursing research.

    c) Validity and reliability of tool.

    d) Hypothesis.

    e) Ethics in research.

SECTION - II (25 Marks)

(Statistics)

5. Long answer question. [4 + 6 = 10]

    a) Explain concept and significance of statistics in research. [4]

    b) Discuss the qualitative and quantitative data used in nursing research. [6]

6. Short answer question (**any three out of five**) : [3 × 5 = 15]

    a) Normal central tendency.

    b) Standard deviation.

    c) Non parametric Test.

    d) Test- Retest method.

    e) Scattered diagram method.

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First M.Sc. Nursing Examination, Winter - 2020
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** sections.

SECTION - "I" (50 Marks)
(Research)

1. Long answer question.   [3+4+5=12]
    a)   Characteristics of a good research problem.   [3]
    b)   Discuss the importance and steps of Review of Literature in research.
                                                                 [4]
    c)   Ethical and Legal responsibilities of nurse researcher.   [5]

2. Long answer question.   [3+4+5=12]
    a)   Write briefly on Sampling techniques   [3]
    b)   Characteristics of a good research design.   [4]
    c)   Outline the classification of research approaches, discuss experimental research.   [5]

3. Long answer question. [2+4+5=11]

   a) What is Scientific approach? [2]

   b) Write purposes of writing research report. [4]

   c) Write briefly about writing a research proposal. [5]

4. Write short notes(**any three** out of five) : [3×5=15]

   a) Validity of measuring instruments.

   b) Conceptual framework.

   c) Identification of variables in research problem.

   d) Communicating research findings.

   e) Methods of presentation of analysed data.

SECTION - "II" (25 Marks)

(Statistics)

5. Long answer question. [4+6=10]

   a) Discuss types of data. [4]

   b) Use of statistical package in data analysis. [6]

6. Write short notes (**any three** out of five) : [3×5=15]

   a) Measures of Central Tendency.

   b) Standard Deviation.

   c) Chi-square test.

   d) Differentiate between Parametric and non-Parametric tests.

   e) Types of Correlation.

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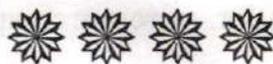
First M.Sc. Nursing Examination, Summer (Phase - III All other Remaining UG/PG Courses) - 2020
NURSING RESEARCH AND STATISTICS - IV

Total Duration : Section A + B = 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 - "A" (50 Marks)
(Research)

1. Long answer question :   [3 + 4 + 5 = 12]

   a) Why is research important in Nursing Education?

   b) List the steps of nursing research with examples.

   c) Ethical importance in Nursing Research.

2. Long answer question :   [3 + 4 + 5 = 12]

   a) What are the dimensions of research design?

   b) Explain different methods used in Nursing Research.

   c) Discuss in brief Qualitative and Quantitative research approaches used in Nursing.

3. Long answer question : [2 + 4 + 5 = 11]

   a) Define sampling.

   b) List the different types of sampling.

   c) Discuss in detail about probability and non-probability sampling.

4. Short answer question (**any three** out of five) : [3 × 5 = 15]

   a) Conceptual Framework.

   b) Variables in research.

   c) Importance of Review of Literature.

   d) Validity and Reliability of content.

   e) Characteristics of true experimental method.

SECTION - "B" (25 Marks)

(Statistics)

5. Long answer question : [4 + 6 = 10]

   a) Define Biostatistics and discuss the uses of vital statistics in Nursing.

   b) Explain the significance of testing hypothesis for large and small samples.

6. Short answer question (**any three** out of five) : [3 × 5 = 15]

   a) Application of normal distribution.

   b) Measures of central tendency.

   c) Coefficient of correlation.

   d) Standard Deviation.

   e) Non parametric test.

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First M.Sc. Nursing Examination, Winter
(Phase - III All Other remaining UG/PG Course) - 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 :   [3+4+5=12]
   a) List the characteristics of testable hypothesis.   [3]
   b) Describe simple verses complex hypothesis with example. [4]
   c) Explain the importance of critiquing research will help to develop better research proposal.   [5]

2. Long answer question :   [3+4+5=12]
   a) Define reliability.   [3]
   b) What are the factors affecting reliability?   [4]
   c) Explain methods of collecting primary and secondary data. [5]

3. Long answer question :   [2+4+5=11]
   a) Define historical research.   [2]
   b) Discuss barriers in evidence based practices.   [4]
   c) Explain steps of publishing research article.   [5]

4. Short answer question (**any three** out of five) : [3 × 5 = 15]

   a) Sampling and its technique.

   b) Experimental research design.

   c) Ethical principles in conducting nursing research.

   d) Likert's Scale.

   e) Factors affecting internal and external validity.

SECTION - II (25 Marks)
(Statistics)

5. Long answer question: [4+6=10]

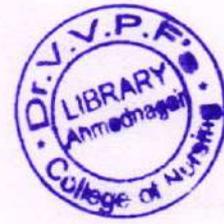   a) Differentiate between descriptive and inferential statistics. [4]

   b) Discuss the importance of statistical interpretation. (give example). [6]

6. Short answer question (**any three** out of five): [3 × 5 = 15]

   a) Measures of central tendency.

   b) Correlation and coefficient.

   c) Measures of Dispersion.

   d) Scatter diagram method.

   e) Use of statistical package for data analysis.

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54008

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.
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3) **All** questions are **compulsory.**
4) The number to the **right** indicates **full** marks.
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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 Evidance based practice in nursing service, education and administration.	**[5]**

P.T.O.
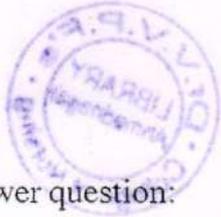
3. Long answer question: [11]
   a) What are the purposes of Data Collection? [2]
   b) Explain factors affecting data collection give examples. [4]
   c) Explain the steps of developing Conceptual Framework and its uses.[5]

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 tendancy.

   d) Standard Deviation.

   e) Sampling.

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54008

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 :

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 (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 measurment 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

P.T.O.

4. Write short notes (**any three** out of five) :   (3×5=15)

   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 :   (4+6=10)

   a) Define sampling. Explain the classification.   4

   b) Briefly discuss any method of sampling.   6

6. Write short notes (**any three** out of five) :   (3×5=15)

   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.

54008

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

uration : 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** Sections.

SECTION – I (50 Marks)
(Research)

ong answer question :   (3+4+5=12)

) Define evidence based nursing. List the purposes of evidence based nursing practice.   3

) Explain the principles of ethics applicable to nursing research.   4

) Enumerate Qualitative Research Designs and explain any two in detail.   5

ong answer question :   (3+4+5=12)

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

) Develop a problem statement for your study.   3

) Describe pilot study in terms of definition and importance.   4

:) What are the components of a research proposal ?   5

P.T.O.

ng answer question : (2+4+5=11)

What is the difference between content, construct and face validity of an instrument ? 2

Discuss non probability sampling techniques. 4

Describe data presentation techniques. 5

ite short answer (**any three** out of five) : (3×5=15)

Descriptive analysis.

Methods of testing Reliability of a tool.

Purposes of using theoretical frameworks in nursing research.

Types of hypothesis.

Inductive reasoning.

SECTION – II **(25 Marks)**
(Statistics)

ng answer question : (4+6=10)

Define Vital statistics. Enumerate the uses of vital statistics. 4

Describe measures of Central Tendency. 6

rite short answer (**any three** out of five) : (3×5=15)

) Standard deviation.

) Latin squares design.

) Use of statistical packages.

) Rank order correlation.

) 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

P.T.O.

54008

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.

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SECTION – II   **(25 Marks)**

(Statistics)

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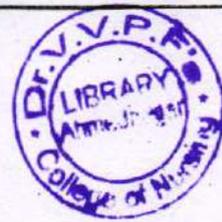
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First Year M.Sc. Nursing Examination, Summer 2016
NURSING RESEARCH AND STATISTICS – IV

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.

SECTION – I (50 Marks)
(Research)

1. Long Answer Question :   (3+4+5=12)
   a) Define data and enlist the purposes of data collection.   3
   b) Discuss the critical analysis of research reports and articles.   4
   c) Explain the importance of pilot study.   5

2. Long Answer Question :   (3+4+5=12)
   a) Define experimental and non-experimental research.   3
   b) Discuss the validity of research design.   4
   c) Explain any two types of probability sampling technique.   5

3. Long Answer Question :   (2+4+5=11)
   a) Define conceptual framework.   2
   b) Discuss the empirical and theoretical sources of review of literature.   4
   c) Discuss the various sources of research problems.   5

4. Write Short Answer (**any three** out of five) :   (3×5=15)
   a) Evidence based nursing practice.
   b) Vancouver style.
   c) Types of assumption.
   d) Generalization of research finding.
   e) Inductive and deductive reasoning.

P.T.O.

SECTION – II (**25 Marks**)

(**Statistics**)

5. Long Answer Question :   (4+6=10)

   a) Define central tendency and explain with an example.   **4**

   b) Discuss the measures related to fertility, mortality and morbidity.   **6**

6. Write Short Answer (**any three** out of five) :   (3×5=15)

   a) Quartile deviation.

   b) Scatter diagram.

   c) ANOVA.

   d) Test-Retest method.

   e) Frequency distribution.

   _____

First M.Sc. Nursing, Winter 2015

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 section.

Section "I" (50 Marks)

(Research)

1. Long Answer :   (3+4+5=12)

   a) Briefly explain the significance of research in nursing.   3

   b) Explain the characteristics and limitations of scientific method.   4

   c) Discuss the ethics in nursing research.   5

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

   a) Which are the characteristics of good sample?   3

   b) What is power analysis?   4

   c) Discuss the sampling process in research study.   5

3. Long Answer :   (2+4+5=11)

   a) Enlist the factors affecting selection of research design.   2

   b) How is the reliability of research tool done?   4

   c) Discuss interview as a method of data collection.   5

4. Short Answer Question (**any three** out of five) :   (3x5=15)

   a) Critical analysis of research study.

   b) Explain the key electronic databases in literature review.

   c) Discuss Grounded theory as a research design.

   d) Conceptual framework.

   e) Semantic differential scale.

P.T.O.

Section "II" (25 Marks)

(Statistics)

5. Long Answer : (4+6=10)

    a) Explain the applications of statistics in nursing. 4

    b) What is null hypothesis? Explain the steps for testing hypothesis. 6

6. Short Answer Question (**any three** out of five) : (3x5=15)

    a) Laws of probability.

    b) Discuss about Arithmetic mean and its merits and demerits.

    c) Simple linear regression.

    d) Graphical representation of data.

    e) Statistical package.

54008

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. (3+4+5=12)

   a) Explain inductive and deductive reasoning. 3

   b) Explain the characteristics of good research. 4

   c) Discuss the steps of qualitative research process. 5

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

   a) List down the components of problem statement. 3

   b) Explain the need of stating research objective and explain its characteristics. 4

   c) Explain the various types of hypothesis with example. 5

3. Long answer. (2+4+5=11)

   a) List down non experimental research design. 2

   b) Discuss about correlational research design. 4

   c) Explain about internal validity of research design and discuss the threats to the internal validity. 5

P.T.O.

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).
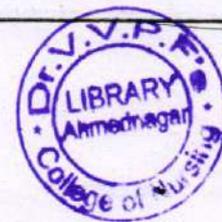
First M.Sc. Nursing, Winter 2014

Nursing Research and Statistics - IV

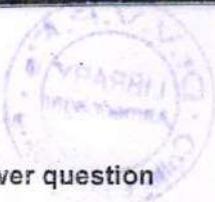**Total Duration : 3 Hours**   **Total Marks : 75**

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 guidline. 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 section.

Section "I" (50 Marks)
(Research)

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

   a) Define the term research design   3

   b) Explain the characteristics of good research design   4

   c) Discuss the various types of quantitative research design   5

   Long answer questions   (3+4+5=12)

   a) Define reliability of measuring instruments   3

   b) What are the factors affecting reliability   4

   c) Describe the methods for assessing the reliability of measuring instruments   5

3. Long Answer question   (2+4+5=11)

   a) Give the characteristics of true experimental design   2

   b) Discuss the strengths and limitations of experimental design   4

   c) Elaborate the steps of experimental design   5

4. Short answer question (any three out of five) :   (3x5=15)

   a) Research hypothesis

   b) Ethical principles in conducting nursing research

   c) Factors affecting validity and reliability of a Research Tool

   d) Sources of research problem.

   e) Characteristics of Conceptual theories.

P.T.O.

Section "II" (25 Marks)

(Statistics)

5. Long answer question   (4+6=10)
   a) Define sampling. Explain the classification.   4
   b) Briefly discuss any one method of sampling.   6

6.   Short answer question (any three out of five) :   (3x5=15)
   a) Uses of vital statistics.
   b) ANOVA in nursing research analysis
   c) Chi- square test application in nursing research
   d) Merits and demerits of mean.
   e) Rank order correlation

54008

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 guidline. 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 articals.   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.)

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

54008

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.
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)

(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 conceptued 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.

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) :   (3×5=15)

   a) Arithmetic mean

   b) Paired 't' test

   c) Correlation and coefficient tests

   d) Types and graphs in data presentation

   e) Standard deviation.
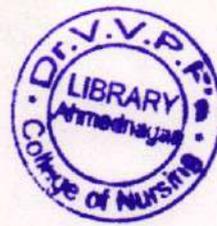
54008

First M.Sc. Nursing Examination, Winter 2011
NURSING RESEARCH AND STATISTICS – IV

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.*

SECTION – I
(Nursing Research)

(3+4+5=12)

1. a) Define the sampling.   3

   b) Explain the importance and uses of conclusions in the data analysis.   4

   c) Describe types of sampling and the factors influencing sampling.   5

(3+4+5=12)

2. a) Define validity and reliability.   3

   b) Explain the role of probability in nursing research.   4

   c) Describe the importance of variables in research problem.   5

(2+4+5=11)

3. a) What are the concepts of data collection ?   2

   b) Explain the importance of review of literature in research.   4

   c) Describe the overview of research process.   5

4. Write short answers (**any three** out of five) :   (3×5=15)

   a) Scope of nursing research

   b) Purpose of theories in research

   c) Non-random sampling

   d) Historical research

   e) Steps in reviewing literature.

P.T.O.

SECTION – II
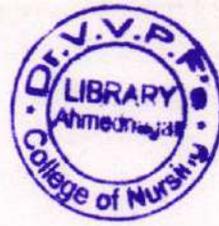### (Statistics)

5. Write **long** answers :   (4+6=10)

   a) Explain the types and levels of data and their measurements.   4

   b) Explain measures of central tendency.   6

6. Write short answers (**any three** out of five) :   (3×5=15)

   a) Simple linear regression analysis

   b) Scatter diagram method

   c) Cumulative distribution

   d) Quartile deviation

   e) Sampling error.

54008

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

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.*

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

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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
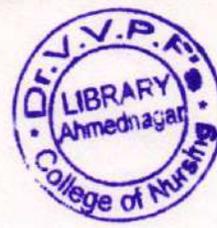
Short answers :   15

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.

————————————————

54008

First M.Sc. Nursing Examination, November/December 2010
NURSING RESEARCH AND STATISTICS – IV

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.

SECTION – I (Marks 50)

(Nursing Research)

1. Write Long Answer :

   a) What are the purposes of nursing research ?   3

   b) Explain the sources of nursing research problems.   4

   c) Briefly discuss the steps in quantitative research.   5

           <u>12</u>

2. Write Long Answer :

   a) Enumerate the experimental research designs.   3

   b) Discuss explanatory and descriptive studies.   4

   c) Discuss the threats to internal validity.   5

           <u>12</u>

3. Write Long Answer :

   a) Define populations.   2

   b) Discuss briefly probability sampling methods.   4

   c) Explain the criteria for selection of data collection instruments.   5

           <u>11</u>

P.T.O.

4. Write short answers (**any three**) : (3×5=15)

   a) Attitude scales.

   b) Barriers to nursing research utilization.

   c) Classification of hypotheses.

   d) Purposes of review of literature.

   e) Ethical principles in nursing research.

   SECTION – II   (Marks 25)

   (Statistics)

5. Write Long Answer :

   a) Discuss descriptive statistics.   4

   b) Explain statistical tests used in nursing research.   6
                                                          ___
                                                           10

6. Write short answers (**any three**) :   (3×5=15)

   a) Measures of central tendency.

   b) Levels of significance.

   c) Purposes of inferential statistics.

   d) Measures of validity.

   e) Applications of normal curves.

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.
         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   (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 quantative 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.

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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) :   (3×5=15)

   a) Differentiate between para metric and non parametric tests

   b) Standard deviation

   c) Normal Probability curve

   d) Types of correlations

   e) Linear Regression.