



Summer-2013 Examination
First M.Sc. Nursing

54008

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.

SECTION - I
Research

50 Marks

1. Long answer question. (3+4+5=12)
 - a) Define the term research design and its importance. 3
 - b) Explain the characteristics of good research design. 4
 - c) Discuss various types of quantitative research design. 5
2. Long answer question. (3+4+5=12)
 - a) Give the characteristics of true experimental design. 3
 - b) Discuss the strengths and limitations of experimental design. 4
 - c) Elaborate the steps of experimental design. 5
3. Long answer question. (2+4+5=12)
 - a) Define the term data collection and its purposes. 2
 - b) Comment on issues in data collection in qualitative research. 4
 - c) Discuss the approaches most frequently used by nurse researcher in data collection. 5
4. Brief answer question (any three out of five) : (3x5=15)
 - a) Research hypothesis.
 - b) Bias in research studies.
 - c) Factors affecting validity and reliability.
 - d) Close ended questions.
 - e) Unstructured observation methods.

quantitative

(P.T.O.)

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SECTION - II
Statistics

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

First M.Sc. Nursing Examination, Summer 2012
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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. 2 4
 - c) Discuss about the importance of nursing theories in formulation of concepted frame work with any one example. 2 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. 2 4
 - c) Discuss on merits and demerits of observation as a data collection instrument with examples. 2 5
4. Write short answers (any three out of five) : (3×5=15)
- a) Rating scales 2
 - b) Steps of publishing a research article
 - c) Steps of critiquing an article
 - d) Purposes of review of literature 3
 - e) Steps of quantitative research. 2



SECTION – II
(Statistics)

5. Write long answers :

(4+6=10)

a) Differentiate between descriptive and inferential statistics. 2

b) Discuss the importance of parametric tests and the criteria of application of parametric tests. 3

6. Write short answers (any three out of five) :

(3×5=15)

a) Arithmetic mean

b) Paired 't' test 2

c) Correlation and coefficient tests

d) Types and graphs in data presentation 4

e) Standard deviation. 2

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

Duration : 3 Hours

8

5

Total Marks : 75

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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
(3x5=15)
4. Write short answers (any three out of five):
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.

54008

STATISTICS

SECTION - II

Type- qualitative, quantitative, obs. vete, (Statistics)
levels- nominal, ordinal, interval, ratio

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. - mean, mode, median.

6

6. Write short answers (any three out of five) :

(3x5=15)

If we know value of 1 variable, we calculate value of other, known as regression
dependent variable denoted by Y independent variable by X

a) Simple linear regression analysis

Formula - $Y = \bar{Y} + b(X - \bar{X})$, \bar{X} - mean = x_1, x_2, \dots, x_n , \bar{Y} - mean = y_1, y_2, \dots, y_n

b) Scatter diagram method

graphic representation shows the nature of correlation

$b = \frac{\sum (X - \bar{X})(Y - \bar{Y})}{\sum (X - \bar{X})^2}$, obtain regression = $\frac{Y}{X}$

c) Cumulative distribution

- present data of cumulative frequency distribution

d) Quartile deviation

e) Sampling error

eg. HD - 2015
Per capita income
Per capita cost
Growth monitoring

Q.D - Range which include middle 50% of distribution i.e. 1 quarter above upper & 1 quarter lower excluded in computing interquartile range



Summer-2013 Examination
First M.Sc. Nursing

54002

ADVANCE NURSING PRACTICE - II

Duration: 3 Hours

Total Marks: 75

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SECTION - I

38 Marks

1. L A Q. (3+4+5=12)
 - a) Enumerate the important nursing theories. 3
 - b) Describe the concepts of Roys adaptation model 4
 - c) How will you apply the above theory while caring for an unconscious patient who is admitted in the hospital 5
2. L A Q. (2+4+5=11)
 - a) Define stress. 2
 - b) Explain the physiological effects of stress on human body. 4
 - c) Describe the nursing management of patient with hypovolemic shock resulted from vehicle accident. 5
3. Brief answer question (**any three** out of five) : (3x5=15)
 - a) Maslows hierarchy of human needs.
 - b) Principles of cardio pulmonary resuscitation.
 - c) Ethical principles in nursing.
 - d) Health care delivery system at district level.
 - e) Importance of prenatal genetic counseling.

SECTION - II

37 Marks

4. L A Q. (3+4+5=12)
 - a) Define nursing process 3
 - b) Describe in detail the first step of nursing process 4
 - c) Explain the uses of nursing process. 5

(P.T.O.)



Summer-2013 Examination

54002

(4+6=10)

5. L A Q.

- a) Explain the factors affecting group dynamics.
- b) Describe the barriers of communication and methods to reduce them.

4

6

(3x5=15)

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

- a) Universal precautions and its importance.
 - b) Extended and expanded role of a nurse. ✓
 - c) Legal implications in death and dying.
 - d) Non pharmacological measures in pain management.
 - e) Role of Indian nursing council in maintaining nursing standards.
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7000

7000

First M.Sc. Nursing Examination, Summer 2012
ADVANCE NURSING PRACTICE - II

Duration : 3 Hours

9

Total Marks : 75

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To make a professional judgement about client

SECTION - I ^{a systematic way to plan, implement and evaluate care for families, groups, individual}

1. Write long answer: ^① ^{NSQ process is a systematic problem solving approach used to identify, prevent and treat actual or potential health problems} ⁽³⁺⁴⁺⁵⁼¹²⁾
 - a) Define nursing process. ^{→ Ass. is the dynamic and continuous process of collecting, verifying and organizing information about a person or other entity.} **3**
 - b) Explain the importance of health assessment in nursing process. ⁴
 - c) Write in detail on nursing diagnosis. ⁵
2. Write long answer: ^{valid definition of date → Interpret of date → Identified need → formula} ⁽²⁺⁴⁺⁵⁼¹¹⁾
 - a) Define communication. **2**
 - b) Write down the process of communication. **4**
 - c) Why communication is very important in health field? **5**
3. Write short answers (any three out of five): ^(3x5=15)
 - a) Code of ethics ^{① Respect & autonomy ② Beneficence ③ Justice ④ Veracity ⑤ Fidelity.}
 - b) Role of NGO's in health care delivery system.
 - c) Role of nurse in epidemiology.
 - d) Management of pain. ^{defⁿ, WHO-3 ladder & other - 4 Herulifer model.}
 - e) Nutritional problems in India.

P.T.O.



SECTION – II

4. Write long answer : (3+4+5=12)
- a) Define conceptual models. 3
 - b) Classify the nursing theories. 4
 - c) Discuss the nursing theory by Florence Nightingale. 5
5. Write long answer : (4+6=10)
- a) List down the extended and expanded role of nurse. 4
 - b) How these expanded role of nurse help in promotive, preventive, curative health care services ? 6
6. Write short answers (**any three** out of five) : (3×5=15)
- a) Models of prevention
 - b) Evidence based nursing practice.
 - c) Use of computers in nursing practice.
 - d) Principles of guidance and counselling.
 - e) Growth and development of pre-school child.
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First M.Sc. Nursing Examination, Summer 2012
NURSING EDUCATION - I

Duration : 3 Hours

Total Marks : 75

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SECTION - I

1. Long answer (12 marks): \rightarrow to prepare nurses who will provide expertise bed side quality care. (3+4+5=12)
- a) Define Nursing Education. \rightarrow meet the needs of individual, family provide adequate social services to needy pop. 3
 - b) Discuss the philosophy and objectives of Nursing Education. \rightarrow understand body-mind functioning in health & disease 4
 - c) Explain Competency Based Education (CBE) and Outcome Based Education (OBE) with examples. \rightarrow provide opp for wholistic personality dev. 4
2. Long answer (11 marks): \rightarrow behavioural (product) - 4 (2+4+5=11)
- a) Define Curriculum. \rightarrow L. steinhouse - 2
 - b) Discuss the models of curriculum. \rightarrow Lawton's - 4
 - c) Explain the factors influencing curriculum development in Nursing Education. \rightarrow Beattie's four fold 4
3. Write short answers (any three out of five): selection of L. exp for model of obj (3x5=15)
- a) Steps in curriculum development \rightarrow select of L. exp, seq. of L. exp, eval. 5
 - b) Liberal education in Nursing Education K.P. 380.
 - c) Instructional Aids \rightarrow defn - class \rightarrow practice \rightarrow Reg \rightarrow Ad - 5
 - d) Curriculum Committee
 - e) Clinical Evaluation Criteria. \checkmark 3

P.T.O.

answer: Teaching is an interaction process. Interaction means participation of both teacher and student are benefited by this.
 answer: Teaching is the systematic, guidance, direction and encouragement of learning.

SECTION - II

purpose of education
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 e
 state
 it to
 active.

- principles of motivation, activity, create interest
- use of def. obj. (3+4+5=12)
- ind. diff.
- select
- division 3
- various practice
- correlation 4
- connecting life, creativity
- 10 steps 5

4. Long answer (12 marks):

- a) Define Teaching. ?
- b) Discuss principles of teaching.
- c) How will you help students in developing effective study habits?

5. Long answer (10 marks):

- a) Explain the principles of Evaluation.
- b) Discuss the types of evaluation and enlist the techniques and tools of evaluation.

Evaluation is the systematic process of collecting, analyzing and interpreting information to determine the extent to which pupils are achieving instructional objectives.

6. Write short answers (any three out of five):

- a) Current issues and emerging trends in Nursing Education 3
- b) Problem based learning
- c) Taxonomy of objectives 3
- d) Distance Education in Nursing
- e) Concept and principles of guidance and counseling. 3

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Method

summative & formative — based on freq. of conducting.
 criterion set & with criterion set → method of interpreting.
 practical level & qual. perf. → nature of measurement