

MARCH 2009

[KU 416]

Sub. Code: 2323

M.Sc (Nursing) DEGREE EXAMINATION

First Year

(Regulations for candidates admitted from 2008-2009 Session onwards)

Paper III – NURSING RESEARCH AND STATISTICS

Q.P. Code : 302323

Time : Three hours

Maximum : 75 marks

Answer Sections A and B in SEPARATE Answer book.

Answer All questions.

**SECTION – A
(NURSING RESEARCH)**

I. Essay: (1 x 20 = 20)

1. a) Mention the characteristics of a qualitative research design. (5)
- b) Explain qualitative research design with suitable example. (15)

II. Write Short Notes on : (6 x 5 = 30)

1. Ethics in research.
2. Significance of theoretical frame work in research.
3. Steps of literature review.
4. Pilot study.
5. Sampling technique.
6. Writing research report.

**SECTION – B
(STATISTICS)**

I. Essay: (1 x 20 = 20)

1. a) What are various methods of collecting statistical data?
Which of these is more reliable and why? (4+6=10)
- b) What is a statistical average? Describe the characteristics of a good statistical average. (4+6=10)

II. Write Short Notes on : (1 x 5 = 5)

1. A certain stimulus administered to each of the 12 patients resulted in the following increase of blood pressure 5, 2, 8, -1, 3, 0, -2, 1, 5, 0, 4 and 6. Can it be concluded that the stimulus will in general be accompanied by an increase in blood pressure?

SEPTEMBER 2009

[KV 416]

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**SECTION – A
(NURSING RESEARCH)**

I. Essay: (1 x 20 = 20)

1. a) Detail the methods of data collection approaches. (10)
- b) Elaborate the means of ensuring the quality in data collection. (10)

II. Write Short Notes on : (6 x 5 = 30)

1. Conceptual frame work.
2. Randomization.
3. Pilot study.
4. Time series design.
5. Critiquing the research report.
6. Developing and refining research problem.

**SECTION – B
(STATISTICS)**

I. Essay: (1 x 20 = 20)

1. In an epidemic of certain disease, 92 children contracted the disease, of these 41 received no treatment and of these 10 showed after effects. The remainder who did receive treatment, 17 showed after effects. Test the hypothesis that treatment was not effective.

II. Write Short Notes on : (1 x 5 = 5)

1. What is meant by analysis of variance?

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Answer Sections A and B in SEPARATE Answer book.

Answer All questions.

SECTION – A

(NURSING RESEARCH)

I. Essay: (1 x 20 = 20)

1. A nurse researcher is interested to study the efficacy of two different interventions in reducing radiation induced vaginitis in patients with cancer cervix.
 - a) Identify the most appropriate design to study this research problem. (4)
 - b) Explain the reasons for selecting the particular design. (8)
 - c) Detail the methods to enhance research control. (8)

II. Write Short Notes on : (6 x 5 = 30)

1. Ethical issues in research.
2. Barriers to utilization of research findings.
3. Hypothesis.
4. Literature review.
5. Meta analysis.
6. Bio-physiological parameters.

SECTION – B

(STATISTICS)

I. Essay: (1 x 20 = 20)

1. a) Define and explain the uses of Birth rate, post neonatal mortality rate, infant mortality rate, incidence rate and prevalence rate.
 - b) A study revealed that among 30 males 10 were obese and among 20 females 10 were obese. Use chi square test to find whether sex and obesity are associated.

II. Write Short Notes on : (1 x 5 = 5)

1. Explain how linear regression equations are useful in prediction.

SEPTEMBER 2010

[KX 416]

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Q.P. Code : 302323

Time : Three hours

Maximum : 75 marks

Answer Sections A and B in SEPARATE Answer book.

Answer All questions.

SECTION – A

(NURSING RESEARCH)

I. Essay: (1 x 20 = 20)

1. a) Mention characteristics of a qualitative research design.
- b) Explain qualitative research design with suitable example.

II. Write Short Notes on : (6 x 5 = 30)

1. Types of Hypothesis.
2. Writing research report.
3. Sampling technique.
4. Pilot study.
5. Validity and reliability.
6. Methods developing conceptual framework for research.

SECTION – B

(STATISTICS)

I. Essay: (1 x 20 = 20)

1. a) What are various methods of collecting statistical data? Which of these is more reliable and why?
- b) What is a statistical average? Describe the characteristics of a good statistical average.

II. Write Short Notes on : (1 x 5 = 5)

1. A certain stimulus administered to each of the 12 patients resulted in the following increase of Blood Pressure 5, 2, 8, -1, 3, 0, -2, 1, 5, 0, 4 and 6. Can it be concluded that the stimulus will in general be accompanied by an increase in Blood Pressure.

MAY 2011

[KY 416]

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M.Sc (Nursing) DEGREE EXAMINATION

First Year

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Paper III – NURSING RESEARCH AND STATISTICS

Q.P. Code : 302323

Time : Three hours

Maximum : 100 marks

Answer Sections A and B in SEPARATE Answer book.

Answer All questions.

SECTION – A

(NURSING RESEARCH)

I. Essay: (1 x 20 = 20)

1. a) Define Research design.
- b) Classify the various types of research design.
- c) Discuss in detail true experimental designs.

II. Write Short Notes on : (6 x 5 = 30)

1. Ethics in research.
2. Hypothesis.
3. Conceptual frame work.
4. Reliability.
5. Evidence based practice.

**SECTION – B
(STATISTICS)**

I. Essay: (1 x 20 = 20)

1. a) Explain the procedure of test of significance.
- b) Calculate the co-relation co-efficient from following data and interpret.

Height in Inches:	57	59	62	63	64	65	55	58	57
Weight in lbs :	113	117	126	126	130	129	111	116	112

II. Write Short Notes on : (5 x 6 = 30)

1. Measures of dispersion.
2. Probability.
3. Uses of statistics in Nursing research.
4. Measurement scales.
5. Vital statistics.

October 2011

[KZ 416]

Sub. Code: 2323

**M.Sc (Nursing) DEGREE EXAMINATION
FIRST YEAR**

(Regulations for candidates admitted from 2008-2009 Session onwards)

PAPER III – NURSING RESEARCH AND STATISTICS

Q.P. Code : 302323

**Time : 3 hours
(180 Min)**

Maximum : 100 marks

Answer Sections A and B in SEPARATE Answer book.

Answer ALL questions in the same order.

**SECTION – A
(NURSING RESEARCH)**

I. Elaborate on :

	Pages (Max.)	Time (Max.)	Marks (Max.)
1. a) Describe the methods of data collection for quantitative studies.			
b) How will you establish validity and reliability of the tools?	15	40	20

II. Write notes on :

1. Probability sampling techniques.	3	10	6
2. Variables.	3	10	6
3. Research utilization.	3	10	6
4. Observation method.	3	10	6
5. Flow of tasks in review of literature.	3	10	6

**SECTION – B
(STATISTICS)**

I. Elaborate on :

	Pages (Max.)	Time (Max.)	Marks (Max.)
1. a) Explain the procedure of test of significance.			
b) Calculate the co-relation co-efficient from following data and interpret.	15	40	20
Height in Inches: 57 59 62 63 64 65 55 58 57			
Weight in lbs : 113 117 126 126 130 129 111 116 112			

II. Write notes on :

1. Measures of dispersion.	3	10	6
2. Probability.	3	10	6
3. Uses of statistics in Nursing research.	3	10	6
4. Measurement scales.	3	10	6
5. Vital statistics.	3	10	6

[LA 416]

MAY 2012

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**M.Sc (Nursing) DEGREE EXAMINATION
FIRST YEAR**

**(Regulations for candidates admitted from 2008-2009 Session onwards)
PAPER III – NURSING RESEARCH AND STATISTICS**

Q.P. Code: 302323

**Time: 3 hours
(180 Min)**

Maximum: 100 marks

Answer Sections A and B in SEPARATE Answer book.

Answer ALL questions in the same order.

**SECTION – A
(NURSING RESEARCH)**

I. Elaborate on:

**Pages Time Marks
(Max.) (Max.) (Max.)**

1. Present an overview of the research process and describe sampling process in detail.

17 40 20

II. Write notes on:

1. Scope of Nursing Research.
2. Quasi experimental Design.
3. Hypothesis & Variables.
4. Validity.
5. Literature Review.

4 10 6
4 10 6
4 10 6
4 10 6
4 10 6

**SECTION – B
(STATISTICS)**

I. Elaborate on:

**Pages Time Marks
(Max.) (Max.) (Max.)**

1. a) Discuss testing of hypothesis procedure.
b) Calculate mann whitney 'U' test value for following Hemoglobin data and give your interpretation.

17 40 20

Study group	6	9	10	11	14		
Control group	9	12	8	10	11	12	14

II. Write notes on:

1. Z Score.
2. Net reproduction rate.
3. P-value.
4. MANOVA.
5. Beta coefficient.

4 10 6
4 10 6
4 10 6
4 10 6
4 10 6
