

February 2012

[LA 1027]

Sub. Code: 4733

B.Sc (Nursing) DEGREE EXAMINATION
(New Regulations for the candidates admitted from 2006-07 onwards)
FINAL YEAR

Paper III – NURSING RESEARCH AND STATISTICS

Q.P. Code : 664733

Time : Three hours

Maximum : 75 marks

Answer ALL questions.
NURSING RESEARCH

I. Elaborate on: (1X15=15)

1. a) Explain the purposes of research.
b) Classify research design and explain any one research design with example.

II. Write notes on : (4X 5 =20)

1. Type I and Type II error.
2. Promoting utilization of research.
3. Dependant variable.
4. Exclusion criteria.

III. Short Answer: (7X 2 =14)

1. What is validity and reliability?
2. Types of close ended questions.
3. Name any two types of data collection.
4. Define Manipulation.
5. Write the meaning of assumption.
6. Null hypothesis.
7. Research objectives.

STATISTICS

I. Elaborate on: (1X15=15)

1. A workshop was conducted for five hours to improve the self efficacy. Twelve clients were participating in that workshop, the data was collected before and after the workshop was given below. Is the workshop benefit for the clients or not (table value 2.042)

Before : 48 56 58 60 61 61 62 63 64 66 66 66

After : 73 78 67 74 72 73 65 79 77 80 78 79

I. Write notes on : (1X 5 =5)

1. Co-efficient of Correlation.

II. Short Answer: (3X 2 = 6)

1. What is Cohort Study?
2. Define Probability.
3. Differentiate Qualitative and Quantitative research.

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AUGUST 2012

Sub. Code: 4733

Fourth Year B.Sc - NURSING EXAM
Paper III – NURSING RESEARCH AND STATISTICS
Q.P. Code : 664733

Time : Three hours

Maximum : 100 marks

(180 Min)

Answer ALL questions in the same order.

Answer Section A And Section B Separately

SECTION A

(NURSING RESEARCH)

I. Elaborate on:

(2X20=40)

1. Explain the Purpose, Scope, Sources and the steps in Review of Literature in Detail
2. Describe Non – Experimental Research Design in detail with Suitable Example.

II. Write Notes on:

(4X5=20)

1. Need for Research in Nursing.
2. List the steps in development and refinement of Research Problem.
3. Pilot Study.
4. List the components of a Research Report.

III. Short Answers on:

(5X2=10)

1. List the types of Qualitative Design.
2. Types of validity.
3. List the component of critiquing Published Research.
4. List 4 features influencing sampling process.
5. Define Nursing Research.

SECTION B

(STATISTICS)

I. Write Notes on:

(4X5=20)

1. Calculate the Co-efficient of Correlation for the Data.

X	10	12	18	24	23	27
Y	13	18	12	25	30	10

2. Nine students are chosen at random from a group and their heights are found to be 63, 63, 64, 65, 69, 69, 70, 70, 71. Test whether the mean height may be taken to be 65. [t_{0.05}=2.31]
3. Types of diagrams and its uses in Statistics.
4. Define.
 - a. Test of Hypothesis
 - b. Type I error and Type II error.

II. Short Answers on:

(5X2=10)

1. Write short notes on Classification of datas.
2. Write 4 properties of normal distribution.
3. List the uses of Chi-square test.
4. Find the mode of the following data
24, 28, 20, 28, 36, 37, 36, 50, 80, 28.
5. Properties of Correlation Coefficient.
