

Third Year B.Sc. (Nursing) Examination  
Nursing Research & Statistics

Date : 28-01-2019, Monday]

[Max. Marks : 75

[Time : 3 Hours

- Instructions : (1) Answer to the point.  
(2) Figure to the right indicates marks.  
(3) Draw diagrams wherever necessary.  
(4) Write legibly.  
(5) Use separate answer books for each section.

## SECTION -I (Marks 50)

Q-1. Answer the following (any four)

- 1) Define Research. II  
2) Give full form of CINAHL, MEDLINE  
3) Define Hypothesis. 105  
4) List out Characteristics of good objectives. N-88 O-77  
5) List out Scope of Research. N-27 O-24

Cumulative Index Nursing & Allied  
Health Literature Analysis  
Medical literature analysis and  
retrieved system online

Q-2. (1) Define Review literature. Write down in detail about Review literature. (1X10=10)

N-116 O-101 OR

(2) Define sample. Write down in detail about Classification of sampling techniques.

N-251 O-206 N-256 O-211

Q-3 Explain in detail about Pilot study.

(1X7=7)

N-341 O-290

Q-4 Write Short Notes

(5X5=25)

- 1) Steps of analysis of data. N-354 O-302  
2) Quasi Experimental Research Design. N-184 O-162  
3) Needs of Research in Nursing. N-13 O-13  
4) Characteristics of good research. N-20 O-19  
5) Variables. N-80 O-71

## SECTION -II (Marks 25)

Q-5 .Answer the following (any four)

(4X5=20)

- 1) Importance of statistics in Nursing. N-442 O-383  
2) List out Statistical packages and explain any one in detail. N-582 O-463  
3) Explain Bar Diagram with figure. N-448 O-390  
4) Explain Mean. N-455 O-396

Q-6 Following Data is marks obtained by students in Research. Find out mean of Marks. (1X5=5)

Marks	40-44	44-48	48-52	52-56	56-60
Students	8	10	20	15	7

**Third Year B.Sc. Nursing Examination**  
**Nursing Research and Statistics**

Date : 30-07-2018, Monday]

[Max. Marks : 75

Time : 3 Hours]

- Instructions :** (1) Answer to the point.  
(2) Figure to the right indicate marks.  
(3) Write legibly.  
(4) Draw diagrams wherever necessary.  
(5) Use separate answer books for each section.

## Section -I (50 Marks)

Q : 1 Answers the following (Any Four) :

(2X4=8 Marks)

- a) Types of validity N 336 O - 286  
b) Research variables N - 80 O - 71  
c) What is descriptive research? N - 202 O - 167  
d) Sampling error N - 285 O - 238  
e) Define quasi experimental Study N - 189 O - 162

Q : 2 A) Explain the purposes of research. N - 13 O - 13 (5+5=10Marks)  
B) Classify research design and explain any one research design with example.

N - 163 O - 138

OR

Q : 2 Define Research & discuss the steps of nursing research process in detail.  
N - 11 O - 10 N - 45 O - 50

Q : 3 Explain the purpose, types, & sources of review of literature. 11 (7 Marks)

Q : 4 Write Short Notes :

(5X5=25Marks)

- a) Sampling 251  
b) Step of Research process 25, 50  
c) Method of Data Collection 13 294  
d) Research statement 423  
e) Need for Research in Nursing 13

## Section -II (25 Marks)

Q : 5 Write Short Notes (Any Four) :

(4X5=20Marks)

- a) Degree of freedom 499  
b) Find the mean 7, 3, 5, 4, 6, 4, 5  
c) Normal probability curve 475  
d) Pie chart 448  
e) Explain Scales used to measure variables 352. check.

Q : 6 Utilization of research findings. - 416

(5 Marks)

**Third Year B.Sc. (Nursing) Examination  
Nursing Research & Statistics**

Date : 22-01-2018, Monday]

[Max. Marks : 75

[Time : 3 Hours

- Instructions : (1) Answer to the point.  
 (2) Figure to the right indicates marks.  
 (3) Draw diagrams wherever necessary.  
 (4) Write legibly.  
 (5) Use separate answer books for each section.

**SECTION I (Marks 50)**

Q1. Define the following (Any Four) (8)

1. Sources of Review Literature
2. Non Probability Sampling
3. What is Chart Study?
4. Validity tools
5. Steps in writing Research Report

Q2. A) Define Nursing Research. (5)

B) Write the Steps of Quantitative Research Process. (5)

OR

Q2. Define Sampling Process. Write down the Various Sampling Technique In Research. (10)

Q3. A) Define Research Design. (1)

B) What are the Characteristics of True Experimental Research? (2)

C) Describe the Quasi Experimental Research Design. (4)

Q4. Short Notes (5X5=25)

- A. Need for Research in Nursing
- B. Pilot Study
- C. Scale of measurement
- D. Difference Between in Qualitative and Quantitative Research
- E. Null Hypothesis

**SECTION II (Marks 25)**

Q5. Answer the Following (Any Four) (4X5=20)

- A. Chi-Square Test
- B. SPSS
- C. Range
- D. Median
- E. Pie Diagram

Q6. Diastolic BP of Ten Patient are Given Below, Calculate the Standard Deviation (5)

110,150,140,160,180,190,110,100,130,110

0817E158

Candidate's Seat No : \_\_\_\_\_

Third Year B.Sc. Nursing Examination  
Nursing Research and Statistics

08-2017, Tuesday]

[Hours]

[Max. Marks : 75

- Instructions : (1) Answer to the point.  
 (2) Figure to the right indicate marks.  
 (3) Write legibly.  
 (4) Draw diagrams wherever necessary.  
 (5) Use separate answer books for each section.

SECTION I (Marks 50)

1 Define the following (any four) :

8

- (a) Need for nursing research N-13
- (b) Review of literature N-116 O-101
- (c) Difference between qualitative and quantitative type of research design N-25 O-22
- (d) Sampling error N-285 O-238
- (e) Criteria of a good research problem. N-75

2 Define the sampling process. Explain about the various sampling techniques used in research.

10

OR

2 Define research design. Describe about the quantitative type of research design.

10

N-163

N-171

3 Define the research and nursing research. Explain about the research process in detail.

7

N-10

N-11

4 Write short notes :

25

- (a) Methods of data collection N-244
- (b) Parametric and nonparametric test - 362, 364.
- (c) Scaling technique of measurement - 352.
- (d) Co-efficient of correlation N=477 O-411
- (e) Measurement of central-tendency. N-454 O-395

SECTION II (Marks 25)

5 Answer the following (any four) :

20

- (a) <sup>336</sup> Validity and reliability N-~~288~~<sup>338</sup> O-288
- (b) Survey method O-175 N=205
- (c) Format of research proposal N-~~225~~<sup>225</sup>, O-368
- (d) Interview technique N-2988, O-250
- (e) Variability. N-80, O-

6 Calculate the median, mode and standard deviation in the No. of cows per farmer :

5

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
Farmer	John	Bob	Sue	Mary	Jim	Sally	Fran	Pat	Bill	Tom
No. of Cow	1	2	2	3	4	5	5	6	18	20

Fourth Year B.Sc. Nursing Examination  
Nursing Research & Statistics

Date : 10-08-2016, Wednesday]  
Time : 3 Hours]

[Max. Marks : 75

- Instructions : (1) Answer to the point.  
(2) Figure to the right indicate marks.  
(3) Write legibly.  
(4) Draw diagrams wherever necessary.  
(5) Use separate answer books for each section.

SECTION - I

Q.1 Define the following. (Any Four) (2x4=8)

- 1) Nursing research N-11
- 2) Pilot study N-341 0-290
- 3) Hypothesis N-105
- 4) Validity N-336
- 5) Target population N-~~336~~ 0-40  
44

Q.2 Describe methods of data collection in detail. N-294. (10)

OR

Q.2 Define research design. Describe about quantitative research design.

N-163

N-~~209~~ 209

Q.3 Define sampling. Discuss factors influencing sampling process. (2+5=7)

N-251

N-255

Q.4 Write short notes. (5x5=25)

- 1) Characteristics of good research. N-20
- 2) Ethics in nursing research N-52
- 3) Development of research tool
- 4) Sources and purpose of review of literature. N-118, 120
- 5) Steps of scientific research N-10

SECTION-II

Q.5 Answer the following. (Any four) (4x5=20)

- 1) Levels of measurement - 352
- 2) Application of statistics in nursing - 442
- 3) Non parametric test - 364
- 4) Utilization of research findings. - 416
- 5) Graphical presentation of data - 448

Q.6 calculate the mean, median and standard deviation from following data.

(5)

X	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85-89	90-94	95-99
Y	4	4	5	6	10	8	7	3	2	1

1/379  
24

0815K153

Candidate's Seat No 250

Fourth B.Sc. (Nursing) Examination  
Nursing Research & Statistics

Date : 04-08-2015, Tuesday  
Time : 3 Hours

[Max. Marks : 75]

- Instructions :
- (1) Answer to the point.
  - (2) Figure to the right indicate marks.
  - (3) Write legibly.
  - (4) Draw diagrams wherever necessary.
  - (5) Use separate answer books for each section.

SECTION-I (50)

Q: 1 Define the following: (ANY FOUR)

1. Validity - 336
2. Review of Literature N-16
3. Variable N-80
4. Hypothesis N-105
5. Sampling N-251

29  
15  
44  
(2 X 4 = 8)  
0-104

Q: 2 Explain the ethical principles for protecting study participation. 54 (10)

Or  
Q: 2 Describe the concept of research. Write need & areas of research in nursing. (3+7=10) 15

Q: 3 Define Research and explain process of research. N-11, 0-10  
N-27, 0-24  
N-45, 500-41, 26  
(2+5=7) 2  
(5 X 5 = 25) 20

Q: 4 Write short notes (ANY FIVE)

- A. Types of hypothesis. N=101
  - B. Types of experimental research. N-170
  - C. Probable sampling technique. N-256
  - D. Differentiate between quasi experimental & true experimental research design. N-174, 189
  - E. Pilot study. N-341, 0-290
  - F. Type of sample. N-251
- 0-147, 162

SECTION-II (25)

Q: 5 Answer the following: (ANY FOUR)

- A. Tabulation N-385, 445, 91, 386 (4 X 5 = 20)
- B. Cumulative frequency. N-452, 0-394
- C. Inferential statistics. N-358, 0-306
- D. Normal Probability curve. 0-475
- E. Correlation. 477
- F. Importance & use of statistics in research. -442

Q: 6 Calculate the mean, median, mode for the following frequency distribution: (1+2+2=5)

X	50-51	52-53	54-55	56-57	58-59	60-61	62-63	64-65	66-67	68-69	70-71
F	1	3	2	4	5	7	6	4	3	2	2

0714E126

2/375

Fourth-Year B.Sc. (Nursing) Examination  
Nursing Research & Statistics

[Max. Marks : ]

Date: 25-07-2014, Friday  
Time : 3 Hours

- Instructions :
- (1) Answer to the point.
  - (2) Figure to the right indicate marks.
  - (3) Write legibly.
  - (4) Draw diagrams wherever necessary.
  - (5) Use separate answer books for each section.

SECTION - I

Q-1. (A) Define Nursing Research. Explain the Purposes of research. (15=6)  
 (B) Explain the characteristics of scientific method. (9=4)

Q-2. Explain the ethical principles for protecting study participants. (10)  
 Answer the following (Any four): (5X4=20)

- 1) Review of Literature
- 2) Types of validity
- 3) Classification of survey research
- 4) Probable sampling techniques
- 5) Types of hypotheses

Q-3. Define following terms. (1X8=8)

- 1) Outcome variable
- 2) Assumptions
- 3) Attrition
- 4) Generalization
- 5) Operational definition
- 6) Institutional Review Board (IRB)
- 7) Reliability
- 8) Inductive reasoning

N-587  
O-498  
497

(P.T.O.)

SECTION - II

Q-4. What is measurement? Explain the levels of measurement with example (2+8=10)

OR  
Q-4. Define statistics. Explain the mean, median and mode. (1+3+3+3=10)

Q-5. Answer the following (Any three)

- 1) Type of variables
- 2) Pilot study
- 3) Likert scale
- 4) Steps of research process

Q-6. (A) Prepare histogram of following data (5)

Age groups in years (X)	No. of male (Y)
15-20	5
20-25	10
25-30	20
30-35	30
35-40	25

(B) Weight in kg of 25 children are given below..

10 12 7 15 12 13 8 8 13 8  
8 8 10 8 8 15 7 13 7 9 10  
9 12 9

Calculate the mean weight of the children (3)

Q-7. Define following terms

- 1) Standard deviation
- 2) Correlation
- 3) Type I error
- 4) Inferential statistics
- 5) Range
- 6) Cronbach's alpha
- 7) T-test

N-462  
N-498  
N-502  
O-438  
N-477  
O-



6)

0813E182

Candidate's Seat No. : 57

Fourth Year B.Sc. (Nursing) Examination  
Nursing Research & Statistics

Date: 03.08.2018, Saturday

Time: 3 Hours

[Max. Marks : 75]

- Instructions:
- (1) Answer to the point.
  - (2) Figure to the right indicate marks.
  - (3) Write legibly.
  - (4) Draw diagrams wherever necessary.
  - (5) Use separate answer books for each section.

SECTION - I

[MARKS : 3  
5 X 2 = 10]

Q 1] Define following [Any Five]:

1. Dependent Variable  $392-5.1. N=80$
2. Target Population  $198-5.2$
3. Reliability  $216$
4. Analysis  $22-5.5$
5. Sample  $146-5.5 N=25$
6. Assumption  $N=5105$

Q 2] Write short notes [Any Three]:

1. Sources of Research problem  $44-5.3$
2. Characteristics of good research  $N=20$
3. Importance of Review Literature  $N=5$
4. Differentiate between quasi experimental and true experimental research design  $117$

[3 X 6 = 18]

Q 3] Explain Survey Research Design with suitable examples  $120$

[10]

SECTION - II

[MARKS : 3  
5 X 2 = 10]

Q 1] Define following [Any Five]:

1. Mean  $455$
2. Data  $288-6$
3. Tabulation
4. Standard Deviation
5. Central tendency  $361$
6. Hypothesis  $N=105$

Q 2] Write short notes [Any two]:

[2 X 6 = 12]

1. Uses and application of statistics  $442$
2. Scale of Measurements  $352$
3. Sampling Techniques  $N=256$

Q 3] Enlist the purposes of Pilot Study  $342$

[5]

Q 4] a) The following data describes the age of 100 adolescent girls. Find the Mean age.

[5]

Age in Years	No. of student
16	35
17	31
18	20
19	14

17.13

Q 4] b) Following data describes the weight of seven people in pounds. Calculate the median of the data.

[5]

150, 157, 142, 159, 177, 146, 151

152

Fourth Year B.Sc. (Nursing) Examination

(Fresh & Repeater)

Nursing Research & Statistics

Date : 01-08-2012 Wednesday]

[Max. Marks : 75

Time : 3 Hours]

- Instructions :
- (1) Figure to the right indicates full marks.
  - (2) Draw diagrams wherever necessary.
  - (3) Use separate answer book for each section.
  - (4) Write legibly.

SECTION: I

38 Marks

Que:1 Define following (Any five)

5X2=10

1. Nursing Research - 200 N-12
2. Assumption - 388 N-105
3. Target Population - 203
4. Tool -
5. Variable - 609 N-80, 0-71
6. Pilot study - 403 N-341, 0-290

Que:2 Write short notes (Any three)

3X6=18

1. Characteristics of good research - 19-SS N-20, 0-19
2. Importance of research in Nursing - 10 IS SS N-13
3. Probable sampling - N-256 N-182
4. Types of experimental research - N-170
5. Criteria of a good research problem - 18-69 N-75

Que:3 Describe steps of nursing research

10

SECTION: II

37 Marks

Que:1 Define following (Any five)

5X2=10

1. Analysis - 32-484-386 N-356 0-387
2. Frequency distribution - 395
3. Mean - 399-400-405-220
4. Mode - 399-459-400-264
5. Non probabic sampling - 400
6. Tabulation - 226

Que:2 Write short notes (Any two)

2X6=12

1. Guidelines for tabulation - 307
2. Questioning technique - 187-256 N-304, 0-256
3. Uses of statistics - 328-442-301

Que:3 Describe Utilization of research findings.

10

Que:4 Calculate mean

T	4	8	2	5	4	2	8
	14	10	3	8	1	5	6

10  
5  
320  
361  
416

Fourth Y. B.Sc. (Nursing) Examination  
Nursing Research & Statistics

Date : 03-02-2014 Monday]

[Max. Marks : 75

[Time : 3 Hours

- Instructions : (1) Answer to the point  
(2) Figure to the right indicates marks  
(3) Draw diagrams wherever necessary.  
(4) Write legibly.  
(5) Use separate answer books for each section.

SECTION : I ( 33 Marks)

- Q:1 (A) Define the terms "Research" and "Nursing Research". Write Characteristics of Good Research. (2+2+6) 10
- OR
- (A) Define the terms "Research" and "Nursing Research" Write Steps of Research Process. (2+2+6) 10
- Q:1 (B) Briefly Explain Sources of Review of Literature. 05
- Q:2 Write short notes on followings ( Any three) 15
- Solomon Four Group Research Design with Schematic Diagram.
  - Validity and Reliability of a tool.
  - Writing a research report in APA style.
  - Types of Interview
  - Quasi Experimental Research Design.
- Q:3 Briefly answer following. 08
- Define Snowball sampling.
  - Define Simple random sampling & list its types.
  - Define Non probability sampling
  - Define dichotomous question with an example.

SECTION :II (37 Marks)

- Q:4 What is correlation-coefficient? Explain types and method of Measuring correlation-coefficient. (2+3+5) 10
- OR
- Q:4 Explain with example what is sampling? Explain factors influencing sampling process. (3+7) 10
- Q:5 Write short notes on following. (Any three) 15
- Mean, Median, Mode.
  - Tables-types, parts and general principles in tabulation.
  - Essential characteristics of True-experimental design.
  - Bar Diagram and its types with example.
  - Independent and Dependent Variables.
- Q:6 Define following. 12
- Target population
  - Sample
  - Research Objectives.
  - Standard Deviation with formula
  - Pilot study
  - Historical Research

Fourth Y. B.Sc. (Nursing) Examination  
Nursing Research and Statics

Date : 23-01-2015 Friday]

[Max. Marks : 75

[Time : 3 Hours

- Instructions : (1) Answer to the point.  
(2) Figure to the right indicates marks.  
(3) Draw diagrams wherever necessary.  
(4) Write legibly.  
(5) Use separate answer books for each section.

Section:-1 Nursing Research

Q - 1. Essay type (Any one)

1X10 = 10

1. Explain the steps of research process.
- OR
1. What are the characteristics of good research designs? Briefly explain about qualitative research designs.

Q - 2. Short essay (Any four)

4X5 = 20

1. Define sampling process & factors influencing sampling process.
2. Data collection methods & instruments.
3. How will you communicate the findings of research studies?
4. Methods of review of literature.
5. Define Nursing Research and write the importance of Research in Nursing

Q - 3. Short answers

8X1 = 8

1. Characteristics of good research.
2. Criteria of good research problem.
3. Sources of review of literature.
4. Criteria for true experimental studies.
5. Reliability.
6. Historical research study.
7. Sampling error.
8. Pilot study.

P.T.

Section 1:- Statistics

1X10 = 10

Q - 1. Long Essay (Any one)

1. Define Correlation? Briefly explain Characteristics & Methods of obtaining correlation.
- OR
1. What are the purposes of inferential statistics? Briefly explain the steps of testing hypothesis.

Q - 2. Short essay (Any three)

3X4 = 12

1. Type I & II error.
2. Scales of measurement of data.
3. Calculate the measures of Central tendency for the following.

C - I	Frequency
0 - 5	2
5 - 10	4
10 - 15	8
15 - 20	6
20 - 25	10

4. Statistical packages for its application in nursing research.

Q - 3. Essay

1X8 = 08

1. Enumerate the steps of development of frequency distribution table.

Q - 4. Short answers

7X1 = 07

1. Cumulative Frequency.
2. Hypothesis.
3. Skewness.
4. Crude birth rate.
5. Interval scale.
6. Confidence interval
7. Power of statistical test.

Fourth Year B.Sc. (Nursing) Examination  
Nursing Research & Statistics

Date : 05-07-2017, Wednesday)  
Time : 3 Hours]

[Max. Marks : 75

- Instructions : (1) Answer to the point.  
(2) Figure to the right indicate marks.  
(3) Write legibly.  
(4) Draw diagrams wherever necessary.  
(5) Use separate answer books for each section.

SECTION: I ( 38 MARKS)

- Q:1 Define Applied Research. Write Purposes of Nursing Research. 10  
OR 10  
Q:1 Write about Ethics in Nursing Research. (4x5)= 20  
Q:2 Write short notes on following. (Any Four) (4 x 2) = 08  
a. Sources of Review of Literature.  
b. Characteristics of Good Research Design.  
c. Dependent and Independent Variables.  
d. Survey Studies.  
e. Types of Qualitative Research  
Q:3 Define following terms. ( Any Four):  
a. Research  
b. Data  
c. Sample  
d. Target Population  
e. Table

SECTION: II ( 37 MARKS)

- Q:4 Write the difference between Experimental & Non-Experimental Research. 10  
Q:5 (A) Find the Mean from the following Data. 05

Age of the Student (in year)	18	19	20	22	23
No. of Students	15	20	8	15	2

$\frac{1186}{60} = 19.77$

- Q:5 (B) Calculate Standard Deviation from the following table. 12

Weight	60-62	62-64	64-66	66-68	68-70	70-72	72-74
Students	2	8	10	6	10	8	2

$\sqrt{480/46}$

- Q:5 (C) Calculate the Median from the following Table.

Wages	80-100	100-120	120-140	140-160	160-180
Workers	8	12	15	8	6

$30 = 120 + \frac{100}{16} = 126.25$

- Q:6 Calculate Arithmetic Mean for the following:

Wight in Kg.	60-61	61-62	62-63	63-64	64-65	65-66	66-67
Frequency	10	20	45	50	60	55	25

$\frac{6957.5}{265}$