# Rajiv Gandhi University of Health Sciences, Karnataka

**III / IV Year B.Sc. Nursing Degree Examination – 05-Jul-2023**

Time: Three Hours

Max. Marks: 75 Marks

## NURSING RESEARCH AND STATISTICS
### (RS-2, RS-3, RS-4 & RS-5)
### Q.P. CODE: 1773

Your answers should be specific to the questions asked
Draw neat, labeled diagrams wherever necessary. Answer All Questions

## ESSAYS TYPE

2 x 10 = 20 Marks

1. List the types of non-experimental research designs and explain any two in detail.
2. List the methods of data collection. Define observation method and describe the structured observation method with one example.

## SHORT ESSAYS TYPE

7 x 5 = 35 Marks

3. Explain the steps in scientific method.
4. Describe the steps in developing and refining research problem.
5. Write the sources and process of review of literature.
6. Explain the process of compiling data.
7. Describe measures of central tendency.
8. The age in years of patients attending the ENT OPD is given below : 36,33,34,40,39,28,30,28,26,22,20,24,21,35 and 31. Compute the frequency distribution table.
9. Explain utilization of research findings.

## SHORT ANSWERS

10 x 2 = 20 Marks

10. State any four characteristics of good research.
11. Define reliability.
12. List any two criteria of a good tabulation
13. Define nominal scale.
14. What is Type I error?
15. What is standard deviation?
16. Define statistics.
17. What is meant by test of significance?
18. Define research abstract.
19. Draw a pie diagram for the following data population of Hassan city – Male are 820 and Female are 680

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# Rajiv Gandhi University of Health Sciences, Karnataka

## III / IV Year B.Sc. Nursing Degree Examination – 10-Jun-2022

**Time: Three Hours**                                              **Max. Marks: 75 Marks**

### NURSING RESEARCH AND STATISTICS
### (RS2, RS3 & RS4)
### Q.P. CODE: 1773

Your answers should be specific to the questions asked
Draw neat, labeled diagrams wherever necessary. Answer All Questions

**ESSAYS TYPE**                                              **2 x 10 = 20 Marks**

1. Define data collection. Discuss the different methods of data collection.

2. List quantitative research design. Explain any one in detail.

**SHORT ESSAYS TYPE**                                              **7 x 5 = 35 Marks**

3. Define Nursing Research. List any 6 Purposes of Nursing Research.

4. List and explain any 5 characteristics of a good research problem statement.

5. What are the search engines relevant to nursing?

6. List any 5 Principles to be followed while tabulating data collected.

7. Discuss the merits and demerits of mode.

8. Calculate the mode for the following data: 30,33,34,40,39,28,30,28,26,22,36,30,21,35&30.

9. Describe the guidelines for writing a research report.

**SHORT ANSWERS**                                              **10 x 2 = 20 Marks**

10. Compare 2 similarities between the problem-solving approach and scientific research.

11. What is Type I error?

12. Advantages of tabulation

13. Define statistics.

14. Difference between convenient and quota sampling.

15. Mention four uses of statistics in nursing research.

16. List any 2 characteristics of a good presentation of data.

17. Define mean.

18. What is a test of significance?

19. Mention any 2 characteristics of a good research report.

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# Rajiv Gandhi University of Health Sciences, Karnataka

## III / IV Year B.Sc. Nursing Degree Examination – 03-Aug-2021

**Time: Three Hours**                    **Max. Marks: 75 Marks**

### NURSING RESEARCH AND STATISTICS
### (RS2, RS3 & RS4)
### Q.P. CODE: 1773

Your answers should be specific to the questions asked
Draw neat, labeled diagrams wherever necessary. Answer All Questions

**ESSAYS TYPE**                                    **2 x 10 = 20 Marks**

1. Define reliability. Describe the different types of reliability.

2. What are the different types of qualitative and quantitative research design?

**SHORT ESSAYS TYPE**                              **7 x 5 = 35 Marks**

3. Compare and Contrast Problem solving method and Research process.

4. Identify a problem faced in the ward and prepare a good research problem statement.

5. Explain the types of graphical representation of statistical date.

6. Explain the process of compiling data.

7. List the levels of measurements and mention their characteristics.

8. Calculate the arithmetic mean for the following data;

| Age in years | Number of Patients |
|---|---|
| 24 | 30 |
| 36 | 23 |
| 48 | 40 |
| 56 | 45 |

9. Develop a Critiquing table for a research report.

**SHORT ANSWERS**                                  **10 x 2 = 20 Marks**

10. List any 2 sources of knowledge for nursing research.

11. List any 2 data collection tool.

12. Define bibliography.

13. Define median.

14. Difference between population and sample.

15. List any 2 characteristics of good samples.

16. Define interpretation of data.

17. List any 2 measure of central tendency.

18. Define null hypothesis.

19. Define research abstract.

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# Rajiv Gandhi University of Health Sciences, Karnataka
## III / IV Year B.Sc. Nursing Degree Examination – 06-Dec-2021

**Time: Three Hours**                                                     **Max. Marks:**
**75 Marks**

### NURSING RESEARCH AND STATISTICS
### (RS2, RS3 & RS4)
### Q.P. CODE: 1773

Your answers should be specific to the questions asked
Draw neat, labeled diagrams wherever necessary. Answer All Questions

**ESSAYS TYPE**                                                     **2 x 10 = 20 Marks**

1. Define sample.  List the different types of Sampling? Explain Probability Sampling Technique.

2. Classify research designs. Explain true experimental design.

**SHORT ESSAYS TYPE**                                              **7 x 5 = 35 Marks**

3. Explain the steps in Research Process.

4. Explain any 5 sources from which problems for Nursing Research can be identified.

5. Mention the different sources of ROL.

6. Prepare a data table and explain its parts.

7. What is the formula used for calculating the mean? What are the merits and demerits of the mean?

8. The length of stay of 10 patients discharged from the same ward is given as , 7, 3, 3,5,4,6,3,7,6 & 5 days. Compute the Mean and Range for the data given.

9. How can research findings be utilized?

**SHORT ANSWERS**                                                  **10 x 2 = 20 Marks**

10. Mention any one difference between the problem solving and research approach.

11. Define stratified sampling.

12. What is frequency distribution?

13. What is normal probability?

14. What is sampling frame?

15. What is population?

16. List any 2 aspects to be included in the summary.

17. Define statistics.

18. What is type 2 error?

19. Mention any 2 criteria for critiquing a research report.

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# Rajiv Gandhi University of Health Sciences, Karnataka

## III / IV Year B.Sc. Nursing Degree Examination – 03-Aug-2021

**Time: Three Hours**                                                      **Max. Marks: 75 Marks**

### NURSING RESEARCH AND STATISTICS
### (RS2, RS3 & RS4)
### Q.P. CODE: 1773

Your answers should be specific to the questions asked
Draw neat, labeled diagrams wherever necessary. Answer All Questions

**ESSAYS TYPE**                                                         **2 x 10 = 20 Marks**

1. Define reliability. Describe the different types of reliability.

2. What are the different types of qualitative and quantitative research design?

**SHORT ESSAYS TYPE**                                                     **7 x 5 = 35 Marks**

3. Compare and Contrast Problem solving method and Research process.

4. Identify a problem faced in the ward and prepare a good research problem statement.

5. Explain the types of graphical representation of statistical date.

6. Explain the process of compiling data.

7. List the levels of measurements and mention their characteristics.

8. Calculate the arithmetic mean for the following data;

| Age in years | Number of Patients |
|:---:|:---:|
| 24 | 30 |
| 36 | 23 |
| 48 | 40 |
| 56 | 45 |

9. Develop a Critiquing table for a research report.

**SHORT ANSWERS**                                                         **10 x 2 = 20 Marks**

10. List any 2 sources of knowledge for nursing research.

11. List any 2 data collection tool.

12. Define bibliography.

13. Define median.

14. Difference between population and sample.

15. List any 2 characteristics of good samples.

16. Define interpretation of data.

17. List any 2 measure of central tendency.

18. Define null hypothesis.

19. Define research abstract.

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# Rajiv Gandhi University of Health Sciences, Karnataka

## III / IV Year B.Sc. Nursing Degree Examination – 10-Sep-2020

Time: Three Hours

Max. Marks: 75 Marks

### NURSING RESEARCH AND STATISTICS
### (RS2, RS3 & RS4)
### Q.P. CODE: 1773

Your answers should be specific to the questions asked
Draw neat, labeled diagrams wherever necessary. Answer All Questions

**ESSAYS TYPE**  
2 x 10 = 20 Marks

1.  Define questioning. Describe the different types of questionnaire in terms of advantages and disadvantages.
2.  List the different research designs. Discuss in detail about the survey design with an example.

**SHORT ESSAYS TYPE**  
7 x 5 = 35 Marks

3.  List and describe any 5 purposes of Nursing Research.

4.  State a Research Problem having an independent and dependent variable and identify the independent and dependent variables.

5.  Mention the difference between primary and secondary literature sources.

6.  Explain the aspects involved in data summarization.

7.  Describe the steps involved in construction of a bar Diagram.

8.  What are the parts of a data presentation table? Comment on the following table with regard to the same.

| Types of Occupation | Number of Patients |
|---|---|
| Unskilled Laborer | 30 |
| Skilled Laborer | 23 |
| Govt. Employees | 40 |
| House Makers | 45 |

9.  Compare and contrast oral reports with written reports.

**SHORT ANSWERS**  
10 x 2 = 20 Marks

10. Define scientific approach.
11. What are the methods of writing the references?
12. Mention difference between mean and mode.
13. Define manipulation.
14. List three properties of normal distribution of data.
15. Mention any 2 disadvantages of random sampling.
16. Define classification of data.
17. Mention the law of probability.
18. Define standard deviation.
19. What are verbal reports?

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# Rajiv Gandhi University of Health Sciences, Karnataka

**III Year B.Sc. Nursing Degree Examination - APRIL-2019**
**(RS4 – Batch 2015 – 2016 Batch Admission Onwards)**
**IV Year B.Sc. Nursing Degree Examination – APRIL-2019**
**(RS2 – Batch 2007-2008 & RS3 Batch 2008-2009)**

Time: Three Hours
Max. Marks: 75 Marks

## Nursing Research and Statistics
## Q.P. CODE: 1773

Your answers should be specific to the questions asked
Draw neat, labeled diagrams wherever necessary

### ESSAYS TYPE (Any Two)                                        2 x 10 = 20 Marks

1. a) Define nursing research.
   b) Explain the steps of a quantitative research process. (2+8)
2. a) Define Research Design.
   b) Explain Quasi Experimental Research Design in detail. (2+8)
3. a) Define sampling.
   b) List the factors that influence the sampling process.
   c) Explain questioning as a method of data collection. (2+3+5)

### SHORT ESSAYS Type (Any Seven)                                7 x 5 = 35 Marks

4. Write five differences between qualitative and quantitative research.

5. What is tabulation and classification of data?

6. The weight in kgs of 15 children as follows: 10, 6, 16, 5, 10, 5, 7, 10, 15, 7, 8, 11, 13, 18 and 9. Calculate the mean, mode and median for the data.

7. What are the various sources for review of literature?

8. Explain the types of observation used in data collection.

9. What is coefficient of correlation?

10. How will you critique a published research article?

11. List the non-probability methods of sampling. Describe any two of them. (2+3)

12. What are the different graphical methods for presenting data?

### SHORT ANSWERS                                                10 x 2 = 20 Marks

13. List the measures of dispersion.

14. Define Validity of a tool.

15. Define mode by giving an example.

16. Draw a neat pie diagram.

17. List the characteristics of a Good Research Problem

18. What is Chi-square test?

19. What is Simple random sampling?

20. Define Independent variable.

21. What is Descriptive statistics?

22. What is Ordinal scale of measurement?

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# Rajiv Gandhi University of Health Sciences, Karnataka

### III Year B.Sc. Nursing Degree Examination - APRIL-2019
### (RS4 – Batch 2015 – 2016 Batch Admission Onwards)
### IV Year B.Sc. Nursing Degree Examination – APRIL-2019
### (RS2 – Batch 2007-2008 & RS3 Batch 2008-2009)

Time: Three Hours                                      Max. Marks: 75 Marks

## Nursing Research and Statistics
## Q.P. CODE: 1773

Your answers should be specific to the questions asked
Draw neat, labeled diagrams wherever necessary

**ESSAYS** TYPE (Any Two)                                   2 x 10 = 20 Marks

1.  a) Define nursing research.
    b) Explain the steps of a quantitative research process. (2+8)
2.  a) Define Research Design.
    b) Explain Quasi Experimental Research Design in detail. (2+8)
3.  a) Define sampling.
    b) List the factors that influence the sampling process.
    c) Explain questioning as a method of data collection. (2+3+5)

**SHORT ESSAYS** Type (Any Seven)                           7 x 5 = 35 Marks

4.  Write five differences between qualitative and quantitative research.

5.  What is tabulation and classification of data?

6.  The weight in kgs of 15 children as follows: 10, 6, 16, 5, 10, 5, 7, 10, 15, 7, 8, 11, 13, 18 and 9. Calculate the mean, mode and median for the data.

7.  What are the various sources for review of literature?

8.  Explain the types of observation used in data collection.

9.  What is coefficient of correlation?

10. How will you critique a published research article?

11. List the non-probability methods of sampling. Describe any two of them. (2+3)

12. What are the different graphical methods for presenting data?

**SHORT** ANSWERS                                          10 x 2 = 20 Marks

13. List the measures of dispersion.

14. Define Validity of a tool.

15. Define mode by giving an example.

16. Draw a neat pie diagram.

17. List the characteristics of a Good Research Problem

18. What is Chi-square test?

19. What is Simple random sampling?

20. Define Independent variable.

21. What is Descriptive statistics?

22. What is Ordinal scale of measurement?

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# Rajiv Gandhi University of Health Sciences, Karnataka

IV Year B.Sc. Nursing Degree Examination – APRIL-2018

Time: Three Hours

Max. Marks: 75 Marks

## NURSING RESEARCH AND STATISTICS (RS-2)

## Q.P. CODE: 1773

Your answers should be specific to the questions asked

Draw neat, labeled diagrams wherever necessary

**ESSAYS TYPE (Any Two)**      **2 x 10 = 20 Marks**

1. Define nursing research and describe in detail the steps involved in quantitative research process. (2+8)
2. Define Validity of a research instrument and describe in detail types of validity. (4+6)
3. a) List various methods of data collection.
   b) Describe advantages and disadvantages of interview method in detail. (4+6)

**SHORT ESSAYS Type (Any Seven)**      **7 x 5 = 35 Marks**

4. Explain the need for Research in Nursing.
5. Briefly describe the types of qualitative research.
6. Explain criteria of a good research problem.
7. Uses of statistics in nursing
8. Explain characteristics of experimental research design.
9. What are the sources of review of literature?
10. Explain types of probability sampling techniques with suitable examples.
11. What are the barriers to research utilization in nursing?
12. What is pilot study? Explain purposes of pilot study.

**SHORT ANSWERS**      **10 x 2 = 20 Marks**

13. Define independent and dependent variable.
14. What is the meaning of descriptive research design?
15. What are the types of correlation?
16. What is quasi-experimental design?
17. What is sampling frame?
18. Define population.
19. What is a problem statement?
20. List types of reliability.
21. Calculate the mean of these numbers: 23, 24, 26, 27, 35.
22. List-out the properties of normal probability curve.

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# Rajiv Gandhi University of Health Sciences, Karnataka

IV Year B.Sc. Nursing Degree Examination – April 2017

Time: Three Hours

Max. Marks: 75 Marks

## NURSING RESEARCH AND STATISTICS (RS-2)

## Q.P. CODE: 1773

Your answers should be specific to the questions asked

Draw neat, labeled diagrams wherever necessary

**ESSAYS TYPE (Any Two)**                                    2 x 10 = 20 Marks

1. a) Define Data.
   b) List the methods of Data collection.
   c) Explain any one method in detail. (2+3+5)
2. a) List the purpose of literature review.
   b) What are the sources of literature review? (4+6)
3. a) Define Nursing Research.
   b) Explain the steps of Scientific method. (2+8)

**SHORT ESSAYS Type (Any Seven)**                            7 x 5 = 35 Marks

4. Steps of writing a research report

5. Types of Correlation

6. Criteria for selecting a research problem

7. Importance of nursing research

8. Historical research design

9. Graphical presentation of Data

10. Pilot study

11. Normal probability curve

12. The frequency distribution of weight of 30 adults is given below. Calculate the mean.

| Weight in kgs | 45-50 | 50-55 | 55-60 | 60-65 | 65-70 | 70-75 | 75-80 |
|---|---|---|---|---|---|---|---|
| Number of men | 2 | 3 | 6 | 4 | 6 | 4 | 5 |

**SHORT ANSWERS**                                            10 x 2 = 20 Marks

13. Inductive reasoning

14. Population

15. Variables

16. Stratified sampling

17. Reliability of tools

18. Bar diagram

19. Scales of measurement

20. Likert scale

21. Characteristics of True Experimental Research Design

22. Hawthorne effect

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# Rajiv Gandhi University of Health Sciences, Karnataka

IV Year B.Sc. Nursing Degree Examination – SEPT 2017

Time: Three Hours

Max. Marks: 75 Marks

## NURSING RESEARCH AND STATISTICS (RS-2)

## Q.P. CODE: 1773

Your answers should be specific to the questions asked
Draw neat, labeled diagrams wherever necessary

**ESSAYS TYPE (Any Two)**                                            2 x 10 = 20 Marks

1.  a) Define sampling.
    b) Explain probability-sampling techniques. (2+8)
2.  a) List the sources of data collection.
    b) Explain any one method of data collection in detail. (4+6)
3.  a) List the types of research designs.
    b) Explain Non-Experimental Research Design in detail. (4+6)

**SHORT ESSAYS Type (Any Seven)**                                    7 x 5 = 35 Marks

4.  Barriers of utilizing nursing research

5.  Explain the steps of Scientific method.

6.  Uses of statistics

7.  Graphical method of presentation of data

8.  Steps in writing literature review

9.  Sources of research problem

10. Characteristics of a good research

11. Validity of a tool

12. Following is the score of ten patient's measure of depression using a depression scale. Calculate the mean, median and mode.
    41, 27, 32, 24, 21, 28, 22, 25, 35, 27

**SHORT ANSWERS**                                                    10 x 2 = 20 Marks

13. Ethnographic Research Design

14. Population

15. Measures of dispersion

16. Quota sampling

17. Types of Correlation

18. Define a Variable.

19. CINHAL

20. Visual analogous scale

21. Range

22. Nominal scale of measurement

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# Rajiv Gandhi University of Health Sciences, Karnataka

### IV Year B.Sc. Nursing Degree Examination – SEP - 2016

**Time: Three Hours**                                           **Max. Marks: 75 Marks**

## NURSING RESEARCH AND STATISTICS (RS-2)

# Q.P. CODE: 1773

Your answers should be specific to the questions asked
Draw neat, labeled diagrams wherever necessary

**ESSAYS TYPE (Any Two)**                                       **2 x 10 = 20 Marks**

1.   a) Define nursing research.
     b) Write the steps of quantitative research process. (2+8)
2.   a) Define research design.
     b) What are the characteristics of true experimental research?
     c) Describe Quasi-experimental design. (2+3+5)
3.   a) List the sources of research problem.
     b) What are the criteria for selecting a research problem? (4+6)

**SHORT ESSAYS Type (Any Seven)**                               **7 x 5 = 35 Marks**

4.   Sources of Review of Literature

5.   Non probability sampling

6.   Uses of computers in research

7.   Scales of measurement

8.   Questionnaire

9.   Validity of a tool

10.  Steps in writing Research Report

11.  Measures of central tendency

12.  Diastolic BP of ten patients are given below. Calculate the standard deviation (SD).
     130, 110, 160, 120, 170, 120, 150, 140, 160, 140

**SHORT ANSWERS**                                               **10 x 2 = 20 Marks**

13.  Chi-square test

14.  SPSS

15.  Pie diagram

16.  Systematic sampling

17.  Range

18.  Deductive reasoning

19.  Coefficient of correlation

20.  Median

21.  List four characteristics of a Good Table.

22.  Semantic differential scale

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# Rajiv Gandhi University of Health Sciences, Karnataka

IV Year B.Sc. Nursing Degree Examination – October 2015

**Time: Three Hours**                                    **Max. Marks: 75 Marks**

## NURSING RESEARCH AND STATISTICS
## (RS-2)

# Q.P. CODE: 1773

Your answers should be specific to the questions asked
Draw neat labeled diagrams wherever necessary

**ESSAYS TYPE (Any Two)**                               **2 x 10 = 20 Marks**

1.  a) Define nursing research.
    b) Explain the characteristics of a good nursing research. (2+8)
2.  a) What is research design?
    b) Explain the experimental research designs in detail. (2+8)
3.  a) List out different types of data collection method.
    b) Explain briefly any one method of data collection. (3+7)

**SHORT ESSAYS Type (Any Seven)**                        **7 x 5 = 35 Marks**

4.  Utilization of research findings
5.  Uses of Computer in Nursing Research
6.  Rating scale
7.  Reliability of the instrument
8.  Sources of Research Problem
9.  Frequency distribution of Data
10. Normal probability curve
11. Stratified Random Sampling Technique
12. Coefficient of correlation

**SHORT ANSWERS**                                        **10 x 2 = 20 Marks**

13. Define review of literature
14. Mean
15. Sampling Criteria
16. Tabulation
17. Statistics
18. Median
19. Phenomenological Research Design
20. Pilot study
21. Standard deviation
22. Nominal Scale

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# Rajiv Gandhi University of Health Sciences, Karnataka

IV Year B.Sc. Nursing Degree Examination – APRIL - 2015

**Time: Three Hours**                                          **Max. Marks: 75 Marks**

## NURSING RESEARCH AND STATISTICS (RS-2)

## Q.P. CODE: 1773

Your answers should be specific to the questions asked
Draw neat, labeled diagrams wherever necessary

**ESSAYS TYPE** (Any Two)                                      **2 x 10 = 20 Marks**

1. a) Explain the need for Research in Nursing.
   b) Explain the characteristics of a good research. (5+5)
2. a) Define nursing research.
   b) Explain non-experimental research designs in detail. (2+8)
3. Define Reliability and describe in detail various types of reliability. (2+8)

**SHORT ESSAYS Type (Any Seven)**                              **7 x 5 = 35 Marks**

4. Criteria of a Good Research Problem

5. Discuss the significance of literature review in nursing research.

6. Explain normal probability curve.

7. What are the different types of correlation? Explain with suitable example.

8. Importance of Pilot study in Research

9. Explain the simple random sampling technique.

10. Utilization of Research findings

11. Explain the points to be kept in mind while constructing a questionnaire.

12. Explain advantage and disadvantages of observational method.

**SHORT ANSWERS**                                             **10 x 2 = 20 Marks**

13. What are the different types of variables?

14. List the characteristics of True Experimental Research Design.

15. Types of qualitative research designs

16. Population

17. Calculate median for these numbers – 3, 4, 5, 8, 6, 3, 4, 5, 6, 4, 9, 4, 7.

18. What is range?

19. Define sampling.

20. What is content validity?

21. Ratio Scale of Measurement

22. Differentiate between continuous and discrete data.

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# Rajiv Gandhi University of Health Sciences, Karnataka

IV Year B.Sc. Nursing Degree Examination – Sep 2012

**Time: Three Hours**                                         **Max. Marks: 75 Marks**

## NURSING RESEARCH AND STATISTICS
## (RS-2)

## Q.P. CODE: 1773

Your answers should be specific to the questions asked
Draw neat labeled diagrams wherever necessary

**ESSAYS TYPE (Any Two)**                                        **2 x 10 = 20 Marks**

1. Discuss in detail probability sampling
2. Explain the methods of data collection
3. Define Nursing Research and explain the characteristics of good research

**SHORT ESSAYS Type (Any Seven)**                                **7 x 5 = 35 Marks**

4. Advantages and disadvantages of sampling
5. Define mean calculate the mean and median
   5,10,15,20,25,30,35,40,60,80,100
6. Graphical presentation of data
7. Sources of hypothesis
8. Validity of the instrument
9. Statistical packages
10. Uses of statistics
11. Methods of literature review
12. Descriptive statistics

**SHORT ANSWERS**                                                **10 x 2 = 20 Marks**

13. Population
14. Independent Variable
15. Purpose of nursing research
16. Sampling error
17. Mode
18. Frequency curve
19. Prospective and retrospective studies
20. Directional and non directional hypothesis
21. Participant and non participant observation
22. Tabulation

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