

**VINAYAKA MISSION'S RESEARCH FOUNDATIONS, SALEM
(Deemed to be University)**

**M.Sc.(NURSING) DEGREE EXAMINATION – February 2021
First Year**

NURSING RESEARCH AND STATISTICS

Time: Three hours

Maximum: 75 marks

Use separate Answer Books for Part A and Part B

PART - A

NURSING RESEARCH (50 Marks)

Answer ALL questions

I. Write Long Essay on : (2 x 15 = 30)

1. Detail the methods of data collection approaches.
2. Classify the various types of Research Design and Discuss in detail true experimental designs.

II. Short notes on any Four : (4 x 5 = 20)

3. Evidence Based Practice.
4. Steps in Literature Review.
5. Probability sampling techniques.
6. Rating Scales.
7. Barriers in Research Utilization.

PART – B

STATISTICS (25 Marks)

1. Steps involved in Testing of hypothesis. (8)
2. Coefficient of variation. (7)
3. Five children aged 2, 3, 5, 7 and 8 years old and their weights were 14, 20, 32, 42 and 44 kilograms respectively.
 - a) Find the equation of the regression lines.
 - b) Based on this data, what is the approximate weight of a six-year-old child?