

**DIPLOMA IN MEDICAL RECORD SCIENCE**  
**FRIST YEAR**  
**PAPER III – GENERAL STATISTICS AND BIOSTATISTICS**

*Q.P. Code: 841303*

**Time : Three Hours**

**Maximum : 100 Marks**

**Answer All questions.**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Measures of Central Tendency.
2. Correlation and Rank Correlation.
3. One hundred and thirty six breast cancer survivors participate in a community walk to raise money for fighting the disease. Construct a Simple bar diagram

Miles	No. of women
5	18
4	23
3	54
2	19
1	8

**II. Write notes on:**

**(10 x 5 = 50)**

1. Presentation of Data.
2. Formation of Frequency Distribution.
3. Calculate mean and standard deviation for a series of serum albumin levels (gm%) of 15 preschool children.  
2.90, 3.57, 3.72, 2.98, 3.61, 3.75, 3.30, 3.62, 3.76, 3.38, 3.66, 3.76, 3.69, 3.43, 3.76
4. Normal Distribution.
5. Stratified Random Sampling.
6. Sources of Hospital Statistics.
7. Reporting Hospital Statistics.
8. Scatter Diagram.
9. Hypothesis Testing.
10. Collection of Primary Data and its sources.

**III. Short answers on:**

**(10 x 2 = 20)**

1. Statistics.
2. Coefficient of Variation.
3. Inter Quartile range.
4. Rate and Ratio.
5. Probability.
6. Sampling Error.
7. Large Sample.
8. Find Range and its coefficient for systolic BP of normal subjects have been recorded below (in mm of hg) 130, 134, 132, 130, 128, 142, 131, 140, 133, 140, 120, 135, 142, 150, 160.
9. Null and Alternative Hypothesis.
10. Random Number.

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