

B.Sc. MEDICAL RECORD SCIENCE
SECOND YEAR

PAPER I – BIOSTATISTICS AND HOSPITAL STATISTICS

Q.P. Code: 801711

Time: Three Hours

Maximum: 100 Marks

Answer all questions

I. Elaborate on:

(3 x 10 = 30)

1. Discuss about the measures of variation.
2. Bring out the steps followed in preparation of research proposal.
3. The 49 staff of medical record department took leave (in a year) with mean of 12.5 days and a standard deviation of 2.0 days. Can we consider that these staff took leave as much as whole institutional staff who took leave with mean of 9.5 days (in the same year)
(Note: For normal distribution 5% level is 1.96 and 1% level is 2.576)

II. Write notes on:

(8 x 5 = 40)

1. Graphical presentation of frequency distribution.
2. Calculate measures of central tendency for the data on number of days of stay
6, 4, 3, 5, 7, 10, 8 and 7.
3. Properties of normal distribution.
4. Correlation and regression.
5. Stratified random sampling.
6. Steps in test of association.
7. Sources and uses of health statistics.
8. Define and discuss age specific death rates.

III. Short answers on:

(10 x 3 = 30)

1. What is probability?
2. Population and sample.
3. Primary and secondary data.
4. What is range?
5. Definition of hospital Statistics.
6. Pie diagram.
7. Average daily census.
8. Infant mortality rate.
9. Scatter diagram.
10. Define crude death rate.
