

B.Sc. MEDICAL RECORD SCIENCE
(Candidates admitted from 2010-2011 onwards)

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 various methods of collecting data.
2. Write on Measures of central tendency and their relative merits.
3. Numbers of admissions on days of the week are given below. Test if the admissions are equally distributed on all days. (Chi square with 4 degrees of freedom: 5% level = 9.49 and 1% level = 13.28)

Monday	Tuesday	Wednesday	Thursday	Friday
14	10	8	6	12

II. Write notes on:

(8 x 5 = 40)

1. Write on any two sampling techniques.
2. Calculate mean, median and mode for following data on ages of children discharged
8, 7, 11, 12, 7, 6, 12
3. Write on characteristics of Normal Distribution.
4. What are the steps in test of significance?
5. Discuss briefly about uses of daily census.
6. Write on Mortality Rates.
7. How will you calculate Bed Occupation Rate? Mention its uses.
8. What are the Roles of Health Information Manager (HIM)?

III. Short answers on:

(10 x 3 = 30)

1. Define Biostatistics.
2. Standard deviation.
3. Laws of probability.
4. Scatter diagram.
5. Correlation.
6. Limitation of Hospital Statistics.
7. Define fetal death rate.
8. Cumulative frequency Curve.
9. Pie diagram.
10. Histogram.
