

**AUGUST 2007**

**[KR 862]**

**Sub. Code : 4915**

**BACHELOR OF MEDICAL RECORD SCIENCE  
DEGREE EXAMINATION.**

**First Year**

**(Non-Semester Regulations)**

**Paper V — BIO-STATISTICS, HOSPITAL STATISTICS**

**Time : Three hours                      Maximum : 100 marks**

**Descriptive : Two hours and  
forty minutes                      Descriptive : 80 marks**

**Objective : Twenty minutes                      Objective : 20 marks**

**Answer ALL questions.**

**Essay Questions :                      (2 × 15 = 30)**

**1. Define Mean, Median and Mode. Calculate Mean,  
Median and mode from the following data :**

**Daily protein in  
take : 5-20 20-35 35-50 50-65 65-80 80-95**

**No. of persons : 6 20 35 24 10 5**

2. In a population of 1000 cholera inoculation was given to 600 persons. Among the inoculated 40 persons were suffering from cholera and 50 persons among the non-inoculated were also suffering from cholera.

Test whether the cholera inoculation controlled the cholera or not. (Given 5% chi-square value for (d.f. = 3.84)

3. Write an essay in detail about the collection of Hospital statistics including patient census, bed occupancy rate monthly and annual reports. (1 × 20 = 20)

4. Write short notes on the following : (6 × 5 = 30)

(a) Collection and Tabulation of data

(b) Measures of Variation

(c) Correlation and regression

(d) Simple random sample

(e) Pie diagram

(f) Infant mortality rate and foetal death rate.