[KY 862]   **Sub. Code : 4915**

BACHELOR OF MEDICAL RECORD SCIENCE DEGREE EXAMINATION.

(For candidates admitted from 2006-07 onwards)

First Year

Paper V — BIO-STATISTICS, HOSPITAL STATISTICS

Q. P. Code : 704915

Time : Three hours   Maximum : 100 marks

Answer ALL questions.

I.   Essays :

1.   Construct Mode and hence find mode   (20)

CI :	10-20	20-30	30-40	40-50	50-60	60-70	70-80	80-90
f :	2	5	8	10	14	12	6	3

2.   What is a Sample Explain different methods of sampling.   (15)

3.   Test the Efficacy of drug against typhoid. (Table value of $\chi^2 = 3.84$)   (15)

	Typhoid	No Typhoid	Total
Drug	200	300	500
No Drug	280	20	300
Total	480	320	800

II.   Write short notes : $(6 \times 5 = 30)$

1.   Scales of Measurements.

2.   Function of Statistics.

3.   Bayes Theorem.

4.   Types of Errors in testing of hypothesis.

5.   Poisson Distribution.

6.   Regression.

III.   Short Answer Questions : $(10 \times 2 = 20)$

1.   What is meant by Ogive?

2.   Give the formula for median of a continuous data.

3.   What is a frequency polygon?

4.   What are the different measures of dispersion?

5.   How will you interpret coefficient of variation for the given set of data?

6.   Define mutually exclusive events.

7.   State any two merits of systematic sampling.

8.   State the properties of Regression.

9.   Write the empherical relationship of the important measures of central tendency.

10.   List the important aspects of Hospital data.

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