

[LQ 1019]

NOVEMBER 2020
(MAY 2020 EXAM SESSION)

Sub. Code: 1902

M.Sc. IN PUBLIC HEALTH

FIRST YEAR

PAPER II – PRINCIPLES OF BIO-STATISTICS

Q.P. Code : 281902

Time: Three hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. a) What are the Parametric tests and Non Parametric tests used for Analysis.
b) What are the situations used for Non-parametric Tests.
2. Calculate Product Moment Correlation of Calcium level(mg/dl) for the following data:

X	6	4	7	3	8	5
Y	8	6	7	5	9	6

II. Write notes on:

(10 x 6 = 60)

1. Explain types of Variables and Scales of measurement.
2. Measures of Dispersion with examples
3. Find Mean,Median, Mode and Mean Deviation of the Urine albumin(mg) for the following data; 23,29,21,25,22,28,27,25
4. Explain all types of Probability distribution.
5. Explain Accuracy,Precision,Validity and Reliability.
6. Define Standardisation and Non Standardisation with suitable example.
7. Explain methods of Sample Size calculation.
8. Explain Linear Regression and Regression Co-efficient.
9. Explain Non-Probability Sampling techniques
- 10.Explain Kaplan Meier and Cox PH regression.
