

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[AHS 0321]

MARCH 2021

Sub. Code: 1902

(OCTOBER 2020 EXAM SESSION)

M.Sc. PUBLIC HEALTH

FIRST YEAR (From 2017-2018 onwards)

PAPER II – PRINCIPLES OF BIO-STATISTICS

Q.P. Code : 281902

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate notes on:

(2 x 20 = 40)

1. a) Define Diagnostic test? What are the Diagnostic tests and explain briefly.
b) Explain applications of Normal distribution curve
2. a) What are the applications of Life table.
b) Determine the Regression equation Y on X

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

II. Write Short Notes on:

(10x6 = 60)

1. Diagrammatic representation of data.
2. Measures of Central Tendency.
3. Calculate Standard deviation and Variance of Uric acid(mg/dl) for the following data:
3,7,5,4,9,8,6 and 7
4. Explain Binomial distribution, Poisson distribution and Normal distribution.
5. What are the steps used for construction of Questionnaire.
6. Define ANOVA and Variations of ANOVA.
7. Measures of Correlation.
8. Uses of Life table.
9. Uses of Chi-Square test.
10. Mann-Whitney Test.
