

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

[AHS 0122]

JANUARY 2022

Sub. Code: 1303

(FEBRUARY 2021 & AUGUST 2021 EXAM SESSION)

**DIPLOMA IN MEDICAL RECORD SCIENCE
FIRST YEAR (Regulation 2015-2016 & 2018-2019)
PAPER III – GENERAL STATISTICS AND BIOSTATISTICS
*Q.P. Code : 841303***

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(3 x 10 = 30)

1. Define Hospital Statistics. Discuss their importance, uses and limitations.
2. Bring out the uses and Characteristics of Normal Distribution.
3. Discuss about measures of variation.

II. Write notes on:

(10 x 5 = 50)

1. Calculate mean, median and mode for the following data

Age	10 - 20	20 - 30	30 - 40	40 - 50	Total
No. of patients	8	25	15	2	50

2. Frequency Distribution.
3. Scatter diagram and line diagram.
4. Define Population and Sample.
5. Systematic sampling.
6. Addition and Multiplication Theorems of Probability.
7. Cluster sampling.
8. Linear Regression.
9. Sources of Hospital Statistics.
10. Daily ward census and its uses.

III. Short answers on:

(10 x 2 = 20)

1. Define Statistics.
2. Histogram.
3. Scatter diagram.
4. Frequency Polygon.
5. Pie diagram.
6. Correlation Coefficient.
7. Sample Size.
8. Bed Occupation Rate.
9. Hospital mortality.
10. Inpatient census.
