

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

[AHS 0321]

**MARCH 2021**

**Sub. Code: 1303**

**(AUGUST 2020 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. Discuss the rates and ratios used in analysis of Hospital Statistics.
2. How will you take a representative sample from a population?
3. What are the Characteristics of Normal Distribution?

**II. Write notes on:**

**(10 x 5 = 50)**

1. Frequency distribution.
2. Calculate the measures of central tendency for the following data  
2, 3, 6, 4, 9, 4, 3, 7, 4
3. Standard deviation and Coefficient of Variation.
4. Addition and multiplication theorems of probability.
5. Binomial Distribution.
6. Linear correlation.
7. Type I and Type II errors.
8. Chi square Test of significance.
9. Sources of Hospital Statistics.
10. Discharge Analysis.

**III. Short answers on:**

**(10 x 2 = 20)**

1. Define Statistics.
2. Define Hospital Statistics.
3. Histogram.
4. Quartiles.
5. Inter quartile range.
6. Pie chart.
7. Scatter Diagram.
8. Bias in sampling.
9. Significance Level.
10. Average daily census.

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