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

[AHS 0423]   **APRIL 2023**   **Sub. Code: 1711**

B.Sc. MEDICAL RECORD SCIENCE
SECOND YEAR (Regulations 2010-2011, 2015-2016 & 2018-2019 onwards)
PAPER I – BIOSTATISTICS AND HOSPITAL STATISTICS
Q.P. Code: 801711

Time: Three hours   Answer ALL Questions   Maximum: 100 Marks

I. Elaborate on: **(3 x 10 = 30)**

  1. Add a note on Correlation and Regression.

  2. Describe the Roles and Responsibilities of Medical Record Professional in ensuring accuracy and reliability of Statistical Data.

  3. Calculate the Measures of Central Tendency for the following Ungrouped Data:

19	39	61	21	76	38	21	33

II. Write notes on: **(8 x 5 = 40)**

  1. Qualitative and Quantitative Analysis.
  2. Systematic Sampling method.
  3. Purpose of Rates and Ratios in Hospital Statistics
  4. Discharge Analysis.
  5. Add a short note on Chi – Square Test.
  6. Testing of Hypothesis.
  7. Importance and Limitation of Hospital Statistics.
  8. Distinguish between Random and Non-Random Sampling Procedure.

III. Short answers on: **(10 x 3 = 30)**

  1. Probability.
  2. Merits and Demerits of Sampling.
  3. What are Sample Space and Sample Frame?
  4. Type I and Type II Errors.
  5. Purpose of Clinical Research.
  6. T – Test.
  7. Population and Sample.
  8. Calculate Median and Mode for the following:
     7,10,13,7,5,11,17,19
  9. Distinguish between Bar diagram and Histogram.
 10. Define Standard Deviation.

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