

**KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES
WARANGAL, TELANGANA STATE – 506 002**

MPT FIRST YEAR DEGREE EXAMINATIONS: DECEMBER, 2024

BIOSTATISTICS & RESEARCH METHODOLOGY

Time: 3 Hours.

Max Marks: 100

Note: Answer all questions.

Give Diagrammatic representation wherever necessary.

Write an essay on the following:

4 X 20 = 80

1. Define Primary Data and Secondary Data. Discuss various data collection methods with suitable examples.
2. Describe in detail about Probability and Non- Probability sampling Techniques.
3. Define Hypothesis. Describe in detail about Steps involving in testing of Hypothesis.
4. Explain about the Significance Testing and Distinction between Statistical and Clinical Significance.

Write short note on the following:

4 X 5 = 20

5. Define Sensitivity, specificity and Odds ratio with examples.
6. Skewness and Kurtosis.
7. Sampling Techniques.
8. Institutional Ethical Committee (IEC)
