

**KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES
WARANGAL, TELANGANA– 506 002
MPT FIRST YEAR DEGREE SUPPLEMENTARY EXAMINATIONS: MAY, 2025**

**PAPER- II
(BIOSTATISTICS AND RESEARCH METHODOLOGY)**

Time: 3 Hours.

Max Marks: 100

Note: Answer all questions.

Give Diagrammatic representation wherever necessary.

Write Essay on the following:

4 X 20 = 80

1. Explain basic Principles of graphical representation? Describe the effective presentation of data through Diagrams and Data.
2. List out various Research Methods. Differentiate Qualitative and Quantitative Research.
3. Describe in detail about Computer applications in Various Phases of Research Methodology.
4. Define Central Tendency. Explain measures of Central Tendency with examples. Add a note on Merits, demerits and limitations of Central Tendency.

Write short note on the following:

4 X 5 = 20

5. Measurement Scale.
6. How to determine Sample Size, based on Confidence and Margin Error?
7. Type I and Type II Error.
8. What is Plagiarism and methods to avoid Plagiarism?