

KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES
TELANGANA STATE, WARANGAL – 506 002
MD/MS (AYURVEDA) FIRST SUMMATIVE ASSESSMENT EXAMINATIONS - MAY 2026

BIOSTATISTICS
(COMMON FOR ALL SPECIALITIES)

Time: 3 Hours.

Max Marks: 100

Note: Answer all questions.

Give Diagrammatic representation wherever necessary.

Analytical based structured question (ABQ)

1 X 20 = 20

1. Explain paired and unpaired 't' test and analysis of variance (ANOVA) test with post hoc analysis.

Short answer questions:

8 X 5 = 40

2. Write measures of central tendency-mean, median, mode, percentile.
3. Describe sampling designs and prerequisites for sample size computation.
4. Define type I and type II errors.
5. Short note on 'Z' test.
6. Note on Mann - Whitney U test.
7. Describe Incidence and Prevalence.
8. Describe Scatter diagram.
9. Write 'F' test.

Long answer questions:

4 X 10 = 40

10. Explain variables with definitions and types.
11. Describe computation of sample size for RCT's.
12. Describe Standard deviation with example.
13. Describe relative risk and risk difference with illustration.
