

KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES

WARANGAL, TELANGANA– 506 002

MD/MS AYURVEDA PART-I DEGREE EXAMINATIONS: MAY, 2025

RESEARCH METHODOLOGY AND MEDICAL STATISTICS

Time: 3 Hours.

Max Marks: 100

Note: Answer all questions.

Answer Part A & Part B in separate answer book.

PART-A

(RESEARCH METHODOLOGY) (60 Marks)

Write an essay on the following:

2 X 15 = 30

1. Explain the general guidelines and steps in research process.
2. With a suitable example, explain preparation of research proposal based on EMR-Ayush model.

Write a short note on the following:

4 X 5 = 20

3. Ethical aspects related to animal experimentation.
4. Publication ethics.
5. Application of Pratyakshadi Pramans in Research.
6. Methods of drug identification.

Write briefly on the following:

5 X 2 = 10

7. Searching methods for new literature.
8. CDCSO guidelines.
9. Cohort studies.
10. Scope of bioinformatics.
11. Pubmed.

PART-B

(MEDICAL STATISTICS) (40 Marks)

Write an essay on the following:

1 X 15 = 15

12. Define sampling, explain various types of sampling and sample size computation for Ayurvedic research.

Write a short note on the following:

3 X 5 = 15

13. Correlation and its applications.
14. Significance and applications of Non-parametric tests.
15. Probability.

Write briefly on the following:

5 X 2 = 10

16. Data analysis.
17. Dependent and independent variables.
18. Simple regression.
19. Estimation of Median and its significance.
20. Degree of Freedom.