

**PG Ayurveda Preliminary Regular/Supplementary Examinations
November 2020**

Paper I - Research Methodology and Medical Statistics

(Common for all Specialties)

(2012 & 2016 scheme)

Time: 3 hrs

Max marks: 100

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers.*
 - *Use only ordinary calculator*

Part A

Essays

(4x10=40)

1. Describe protocols for assessing acute, sub-acute and chronic toxicity studies according to OECD guidelines.
2. Define research question and research process. Explain various steps involved in a research process.
3. What is Randomized Controlled Trial (RCT). Explain the components of RCT with suitable examples.
4. Define bioinformatics. Discuss about its scope and utility in Ayurvedic research.

Short notes

(4x5=20)

5. Explain the role of Prathyakshadi pramanas in research.
6. Describe the steps in patenting.
7. Explain Traditional Knowledge Digital Library
8. Literature review and its importance

Part B

Essays

(4x10=40)

9. Detail the concepts and properties of normal distribution. Explain the interpretation based on normal probability curve.
10. What is testing of hypothesis. Explain various steps involved in testing of a hypothesis.
11. Utility of correlation and regression analysis.
12. Explain measures of variability. The respiratory rates of nine patients are given below. Calculate the mean respiratory rate and standard deviation for the given data.

23, 22, 20, 24, 16, 17, 18, 19 and 21.