

**Q.P. Code 101290**

**Reg. No.:.....**

PG Ayurveda Preliminary Supplementary Examinations April 2017

**Paper I - Research Methodology and Medical Statistics**

**(Common for all Specialties)**

**(2012 scheme)**

**Time : 3 hrs**

**Max marks : 100**

- Answer all questions.
- Use only ordinary calculator

**Part A**

**Essays**

**(4x10=40)**

1. Elaborate the steps involved in preparing the research proposal for a clinical trial
2. Develop a research design for identifying the association of a specific dietetic factor with a skin disease that has a rare occurrence
3. Explain in detail the utility, advantages and disadvantages of cohort studies
4. What is randomized controlled trial (RCT). Elaborate advantages and disadvantages of RCT

**Short notes**

**(4x5=20)**

5. Institutional ethical committee (IEC)
6. Fundamental research in Ayurveda
7. Pharmacovigilance program for ASU drugs
8. Manuscriptology

**Part B**

**Essays**

**(4x10=40)**

9. What is hypothesis. Elaborate the steps involved in testing of a hypothesis
10. What is sampling. Elaborate various sampling designs
11. Explain Chi-square test and normality test in detail
12. Explain the following
  - Types of data
  - frequency polygon
  - incidence rate
  - odds ratio
  - validity

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