

**Q.P. Code 101290**

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

**PG Ayurveda Preliminary Examinations – October 2016**

**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. A study is proposed to assess the efficacy of kirata tiktha in kamala (Jaundice) against a conventional drug. Explain the research protocol for the study.
2. Compare the ayurvedic methods of research with contemporary methods.
3. Explain methodology of survey studies with types, utility and analysis.
4. Explain the steps in conducting a case –control study.

**Short notes**

**(4x5=20)**

5. Brief the WHO guidelines for standardization of herbal preparation
6. Different types of referencing and bibliography
7. Manuscripts –collection and conservation
8. Ethical issues in human and animal researches

**Part B**

**Essays**

**(4x10=40)**

9. Explain the absolute measures of dispersion
10. Explain complex methods of random sampling
11. Name the common statistical tests. Discuss about chi-square test
12. Define arithmetic mean with its advantages. The serum cholesterol levels of (mg/dl) of 10 patients are 270, 190, 240, 260, 160, 210, 190, 230, 220, 240. Calculate the arithmetic mean.

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