

Seat No: \_\_\_\_\_

Enrolment No: \_\_\_\_\_

**PARUL UNIVERSITY**  
**FACULTY OF AYURVED**

**M.D/M.S., 1<sup>st</sup> Internal Examination March - 2019**

**Year: 1**

**Subject Code: 02200101**

**Subject Name: Research Methodology and Medical Statistics**

**Date: 01/03/2019**

**Time: 10:00 am to 1:00 pm**

**Total Marks: 100**

**Instructions:**

1. Attempt all questions from each section
2. Figures to the right indicate full.
3. Make suitable assumptions wherever necessary.
4. Write separate sections on separate answer sheets.

**SECTION – A (60 Marks)**

- Q.1** Define research and explain need of research in the field of Ayurveda (15)
- Q.2** Write Any One. (15)
- a. Describe in detail the components involved in writing a clinical research proposal as per EMR format
- b. Write scope, aims & objectives of pharmacovigilance for ASU drugs.
- Q.3** Write down the concept of Pramana and its application in Research.. (10)
- Q.4** All Compulsory (5 marks each) (20)
- a. Importance of literary research
- b. Hypothesis.
- c. Panchavayava Vakya in Research
- d. Ethical principles in animal experimentation

**SECTION – B (40 Marks)**

- Q.1** Write in detail on various measures of Central Tendency, Dispersion, and Location. (10)
- Q.2** Write in detail on types of data, scales of measurement, and graphical presentation of data. (10)
- Q.3** All Compulsory (5 marks each) (20)
- a. Normal Distribution and Normal Curve.
- b. Sampling Techniques.
- c. Procedure in Hypothesis Testing.
- d. Parametric Tests.