

Seat No: _____

Enrollment No: _____

PARUL UNIVERSITY
FACULTY OF AYURVED

M.D/M.S., Supplementary Examination, November 2017

Year: 1

Date: 27/11/2017

Subject Code: 02200101

Time: 10:00 am to 1:00 pm

Subject Name: Research Methodology & Medical Statistics

Total Marks: 100

Instructions:

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

SECTION – A (60 Marks)

- Q.1** What are the principles of Clinical Research? Write the types and different phases of Clinical Trials in detail. **(15)**
- Q.2 Write Any One.** **(15)**
- a. Explain in detail the protocol for Acute, Sub-acute and Chronic Toxicity studies.
 - b. What are the different types of Research? Explain the process of research with the help of Panchavayavi Vakya explained in Ayurved.
- Q.3** Explain the details to be followed in Preparation of a Research Proposal. **(10)**
- Q.4 All Compulsory (5 marks each)** **(20)**
- a. Composition of the Institutional Ethical Committee and its functions.
 - b. Explain any 2 recognized systems of Reference Writing.
 - c. National Pharmacovigilance program for ASU Drugs.
 - d. Aatur Pariksha Paddhati of Charak.

SECTION – B (40 Marks)

- Q.1** Describe Bar Diagram, Pie diagram and Histogram methods of data presentation. **(10)**
- Q.2** What is Data? Explain different types of Data in detail. **(10)**
- Q.3 All Compulsory (5 marks each)** **(20)**
- a. Chi-Square Test.
 - b. Use of Vital Statistics.
 - c. Types of Probability.
 - d. Coefficient of Variation.