

**PARUL UNIVERSITY**  
**FACULTY OF HOMOEOPATHY**  
**MD (Hom) Part – 1, Examination April - 2019**

**Year: 1****Subject Code: 04200102****Subject Name: Research Methodology, Bio-Statistics****Date: 02/04/2019****Time: 10.00 am to 1.00 pm****Total Marks: 100****Instructions:**

1. Figures to the right indicate full marks.
2. Make suitable assumptions wherever necessary.
3. Draw diagrams wherever necessary.
4. Write section-A, section-B on separate answer sheets.

**SECTION: A**

- Q.1** Describe in detail clinical trials. **(20)**
- Q.2** What Are The Steps Involved In Research Process? **(20)**

**OR**

- Q.2** Write in brief. (Any 2 out of 3) **(20)**

- a) Probability
- b) Experimental Research Method
- c) T - test

- Q.3** Short Note (Any 2 out of 3) **(10)**

- a) Incidence and prevalence
- b) Case control study
- c) Measures of central tendency

**SECTION: B**

- Q.1** Explain data presentation in detail in bio-statistics. **(20)**
- Q.2** Describe the different methods of sampling. **(20)**

**OR**

- Q.2** Write in brief. (Any 2 out of 3). **(20)**

- a) Test of significance
- b) Normal distribution
- c) Types of research in homoeopathy

- Q.3** Short Note (Any 2 out of 3). **(10)**

- a) Differentiate primary data and secondary data
- b) Measurement in Epidemiology
- c) Utility of computers in research