

**PARUL UNIVERSITY**  
**FACULTY OF HOMOEOPATHY**  
**MD (Hom) Part – 1, Examination - April 2018**

**Year: 1****Subject Code: 04200102****Subject Name: Research Methodology, Biostatistics****Date: 28/04/2018****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** What is data? Enumerate types and sources of Data. Discuss the rules for presentation of data. **(20)**

**Q.2** Definition Statistics. Write about Scope of statistical methods in medicine. **(20)**

**OR**

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

- a. Sampling: Types
- b. Null hypothesis
- c. Chi-square t-test

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

- a. Quality of Good sample
- b. Cohort control study
- c. Dispersion

**SECTION: B**

**Q.1** What is Research? Explain various steps of research **(20)**

**Q.2** Explain in detail about various types of Research **(20)**

**OR**

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

- a. Nanotechnology and homoeopathy
- b. Clinical trial
- c. Importance of research in homoeopathy

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

- a. Central tendency
- b. CCRH activities
- c. Errors