

**Parul University**  
**Faculty of Homoeopathy**  
**MD (Hom) Practice of Medicine Program**  
**Syllabus: Year - 1**

**A. Research methodology & biostatistics (04200102):-**

1. Research Methodology:

- (A) Research in Biomedicine.
- (B) Need of Research and Research Challenges in Homoeopathy.
- (C) Types of Research Studies.
- (D) Planning of Research Studies (which includes Research Questions, Research Hypothesis, Aims & Objectives, Literature Review, Study Design, Study Sample, Randomization, Blinding, Intervention, Variables, Outcome assessment etc.).
- (E) Design and Conduct of Clinical Trials.
- (F) Data Collection and Data Management.
- (G) Assessing and Reporting Adverse Events.
- (H) Ethical Issues in Biomedical Research.
- (I) Writing & Publishing Research Studies.

2. Biostatistics—

- (A) Definition and scope of Biostatistics in Clinical Research.
- (B) Types of Data and methods of Data presentation.
- (C) Descriptive Statistics (Mean, Median, Mode, SD and Variance etc.).
- (D) Correlation and Regression.
- (E) Sampling techniques and sample size estimation.
- (F) Measures of Morbidity and Mortality.
- (G) Data Analysis.
- (H) Use of Statistical Softwares.

**B. Advanced teaching of Fundamentals of Homoeopathy (04200103): -**

- (A) Advanced teaching of Fundamentals of Homoeopathy shall comprise of integration of knowledge (learnt at degree level course) in respect of subjects namely, Organon of Medicine and Homoeopathic Philosophy, Homoeopathic Materia Medica, and Repertory.

**C. Practice Of Medicine (04204102) :-**

- (A) General Medicine including Tropical Medicine;
- (B) Miasmatic Study of Diseases, cases, Medicines;
- (C) Diagnostic Procedures;
- (D) Practice of Homoeopathy in General Medicine including Tropical Medicine;
- (E) Scope and limitations of Homoeopathy in the management of disorders related to life threatening diseases.