

**SARDAR PATEL UNIVERSITY
VALLABH VIDYANAGAR**



M. D. (HOMOEOPATHY) PART - I

General Subjects –

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