

[LQ 3002]

NOVEMBER 2020
(MAY 2020 SESSION)

Sub. Code: 3002

M.D. (HOMOEOPATHY) DEGREE EXAMINATION

PART – I

COMMON TO ALL BRANCHES

RESEARCH METHODOLOGY AND BIO-STATISTICS

Q.P. Code : 443002

Time: Three Hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Answer the following questions with suitable example.
 - a. Explain the steps involved in ecological studies.
 - b. Discuss ecological fallacy.
2. Write a note on test of significance, explain in details about chi-square test.

II. Write notes on:

(10 x 6 = 60)

1. Define research. Discuss the need and challenges of research in homoeopathic practice.
2. Discuss various levels of measurement.
3. Explain retrospective cohort study, Discuss the advantages and disadvantages of cohort study.
4. Explain randomized controlled trial with an example.
5. Compare and contrast qualitative and quantitative research.
6. Discuss the need for research design, Describe the features of good research design.
7. Discuss measures of dispersion and its application in health sciences.
8. Define Population and Sample for a research. Explain the characteristics of a good sample design.
9. Discuss probability and non-probability sample with suitable example.
10. Discuss meaning and techniques of interpretation.
