

M.D. (HOMOEOPATHY) PART – I (2016 COURSE) : SUMMER 2022
SUBJECT: RESEARCH METHODOLOGY AND BIO-STATISTICS
(COMMON FOR ALL SPECIALIZATIONS)

Day : Saturday
Date : 16-07-2022

Time: 10:00AM TO 1:00P.M.
Max. Marks: 100

S-17950-2022

N.B.

- 1) Attempt **ANY FIVE** questions from each section..
- 2) Figures to the **RIGHT** indicate **FULL** marks.
- 3) Answer to both the section should be written in **SEPARATE** answerbook.

SECTION - I

- Q.1** Enumerate types of hypothesis. Add a note on type-I and type-II error. (10)
- Q.2** What is informed consent? Write components of informed consent form. (10)
- Q.3** What are Good Clinical Practices (G.C.P.)? Add a note on ICMR code of ethics. (10)
- Q.4** Describe in brief methods of Data Collection. (10)
- Q.5** What do you mean by Accuracy and Precision with respect to Clinical Trials? (10)
- Q.6** Write short notes on : (10)
a) Case Control Study
b) Cohort Study

SECTION - II

- Q.7** Mean Hb percentage of a population is 14.3 gm% . Can a sample of 15 individuals with a mean of 13.5 gm% and SD 1.5 be from the same population? Justify. (10)
- Q.8** Describe in brief merits and demerits of statistics in Homoeopathy. (10)
- Q.9** Explain analysis of Variance. (10)
- Q.10** Discuss advantages and disadvantages of Mode. (10)
- Q.11** Write short notes on : (10)
a) Probability
b) Standard deviation and Standard error
- Q.12** Write short notes on : (10)
a) Chi-square test
b) t-test
