

**Pre. Ph.D. Course Work (2017 Course) : (Common for All
Homoeopathic Faculty) : SUMMER - 2019**
**SUBJECT : Paper – I Research Methodology / Homoeopathic Materia Medica/
Homoeopathic Repertory/ Homoeopathic Pharmacy**

Day : Monday
Date : 22/04/2019

S-2019-5310

Time : 10.00 AM TO 1.00 PM
Max. Marks : 100

N.B.:

- 1) **Q. No. 1 and Q. No. 6 are COMPULSORY.** Solve **ANY THREE** out of remaining **FOUR** questions.
- 2) Figures to the right indicate **FULL** marks.
- 3) Answers to both the sections should be written in **SEPARATE** answer books.

SECTION - I

- Q.1** Write short notes on : **(Any Four out of Six)** **(20)**
- a) Research Problem
 - b) Review of literature
 - c) Sample Size
 - d) Phases of clinical research
 - e) Hypothesis
 - f) Experimental study design
- Q.2** Explain in detail about ethical considerations in clinical research. **(10)**
- Q.3** Use of ICT in homoeopathic research. **(10)**
- Q.4** Compare and contrast 'Qualitative' and 'Quantitative' research. **(10)**
- Q.5** Explain about 'Ethnography'. **(10)**

SECTION – II

- Q.6** Write short notes on : **(Any Four out of Six)** **(20)**
- a) Mean
 - b) Standard Deviation
 - c) Cumulative Frequency Curve
 - d) Chi-square Test
 - e) Student's 't' Test
 - f) Probability
- Q.7** Define Sampling and explain the types of Sampling. **(10)**
- Q.8** Explain types of data and methods of collection of data. **(10)**
- Q.9** Explain types of Correlation. **(10)**
- Q.10** Calculate the range, mean, median and mode from the following data: **(10)**
10, 6, 4, 4, 6, 4, 1

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