

Pre. Ph.D. Course Work (2017 Course) : SUMMER - 2018
(Common for All Homoeopathic Faculty)

SUBJECT : PAPER – I RESEARCH METHODOLOGY & ICT FOR RESEARCH
(Homoeopathic Materia Medica) / (Homoeopathic Repertory) /
(Homoeopathic Organon of Medicine) / (Homoeopathic Pharmacy)

Day : **Monday** Time : **10.00 AM TO 01.00 PM**
Date : **25/06/2018** S-2018-4745 Max. Marks : 100

N.B.:

- 1) All questions are **COMPULSORY**.
- 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** of the following: [20]
- a) What is electronic data capture?
 - b) Risk and benefit ratio
 - c) Write a note on experimental research design.
 - d) Assent form
 - e) Composition of Ethics Committee
 - f) Serious adverse events

Answer **ANY THREE** out of **FOUR**: [30]

- Q.2** Create a strategy for re-proving of lesser proven remedies with relation to human pathogenic trials.
- Q.3** Define Research question on 'FINER' and 'PICO' criteria.
- Q.4** Write about phases of clinical trial and significance of each phase.
- Q.5** Cross-over study design and its application in clinical research.

SECTION – II

- Q.6** Write short notes on **ANY FOUR** of the following: [20]
- a) Student 't' test
 - b) Chi square test
 - c) Geometric mean
 - d) Properties and limitations of median
 - e) Ratio data
 - f) Interval data

Answer **ANY THREE** out of **FOUR**: [30]

- Q.7** Measures of dispersions.
- Q.8** Parametric and non-parametric test of significance.
- Q.9** Types of probability sampling.
- Q.10** Compare descriptive and inferential statistics.

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