

**M. D. / M.S. (AYURVED) PRELIMINARY (2017 COURSE) : SUMMER -
2018**

SUBJECT : RESEARCH METHODOLOGY & MEDICAL STATISTICS

Day : **Saturday**
Date : **28/07/2018**

Time : **10.00 AM TO 01.00 PM**
Max. Marks : 100

S-2018-3697

N.B.

- 1) Figures to the **RIGHT** indicate **FULL** marks.
- 2) Use of statistical table and calculator is allowed **WHEREVER** necessary.
- 3) Answers to both the sections should be written in the **SEPARATE** answer books.

SECTION – I

Write **ANY TWO** long answer questions out of three.

- Q.1** Describe types and phases of clinical trials in detail. (15)
- Q.2** Write in details about drug toxicity studies and write in details about ethical aspects in animal experimentation. (15)
- Q.3** Define 'Research' and describe the need and scope of fundamental research in Ayurveda on concepts of Panchamahabhuta and Tridosha. (15)
- Q.4** Write **ANY SIX** short notes out of seven. (30)
- a) Method of preservation of manuscripts
 - b) Survey studies
 - c) Hypothesis
 - d) Importance of Tantrayukti
 - e) Randomization
 - f) Tadvidya Sambhasha
 - g) GMP

SECTION – II

- Q.5** Stating objectives of sampling, describe cluster sampling and multistage sampling. (15)
- Q.6** Calculate mean, median, mode for following data and compare. (10)

X	2	4	6	8	10
F	8	11	9	10	12

- Q.7** Write **ANY THREE** short notes out of four. (15)
- a) Normal distribution
 - b) Presentation of data
 - c) Vital statistics
 - d) Z test

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