M. D. / M.S. (AYURVED) PRELIMINARY (2017 COURSE) :
SUMMER - 2019
SUBJECT: PAPER -1: RESEARCH METHODOLOGY AND
BIO MEDICAL STATISTICS

Day: Monday   Time: 10.00 AM TO 01.00 PM
Date: 29/07/2019   Max Marks: 100

S-2019-4162

N.B.:
1) All questions are **COMPULSORY**.
2) Figures to the **RIGHT** indicate full marks.
3) Use **SEPARATE** answer sheet for each section.
4) Use of statistical table and calculator is allowed **WHEREVER** necessary.

SECTION-I

WRITE ANY TWO LONG ANSWER QUESTIONS OUT OF THREE

Q.1 Write in details about ethics in medical research **(15)**

Q.2 Explain drug discovery process and latest trends in drug research in Ayurveda **(15)**

Q.3 Explain in details about clinical research, various designs of clinical trials, **(15)** randomized controlled trials (RCT), and phases of clinical trials.

Q.4 Write any SIX short notes out of seven. **(30)**
  a) Gaveshana and Anveshana.
  b) Pratyakshadi Pramana
  c) Types of referencing and bibliography.
  d) Chromatography
  e) Good Laboratory practices.
  f) Need of Research in Ayurveda
  g) Toxicity studies

SECTION-II

Q.5 Explain measures of central tendency in detail. **(15)**

Q.6 Calculate Karl Pearson's correlation coefficient. **(10)**

X: 12	8	15	22	17	16
Y: 3	5	8	12	9	5

Q.7 Write any **THREE** short notes out of **FOUR** **(15)**
  a) Standard deviation.
  b) Normal distribution.
  c) Non- parametric Tests.
  d) Chi square test.

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