

AYURVEDA VACHASPATI (M.D.AYURVEDA) (2017 COURSE)
Preliminary AGADA TANTRA TANTRA /KAYACHIKITSACHIKITSA :SUMMER-
2022

SUBJECT : RESEARCH METHODOLOGY & BIO/MEDICAL STATISTICS

Day : Thursday

Time : 10:00 AM-01:00 PM

Date : 18-08-2022

S-17984-2022

Max. Marks : 100

N.B.:

- 1) Figures to the right indicate **FULL** marks.
- 3) Use of statistical table and **CALCULATOR** is allowed **WHEREVER** necessary.
- 4) 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** Write the importance of ethics. Write in details about ethical aspects in human and animal experiments. (15)
- Q.2** Write the need of research in Ayurvedic field? Write about IMR and EMR scheme of AYUSH. (15)
- Q.3** Write about fundamental research. Write about research on basic principles of Ayurveda. (15)
- Q.4** Write **ANY SIX** short notes out of seven: (30)
- a) Writing of review articles
 - b) Randomized clinical trials
 - c) Bias in research
 - d) Patents and copyright
 - e) COHORT study
 - f) Hypothesis
 - g) Survey

SECTION-II

- Q.5** Explain parametric and non-parametric tests in detail. (15)
- Q.6** In a study the ESR of 8 patients if tuberculosis was recorded as follows. Calculate the SD and Coefficient of Variation. (10)

ESR (mm/hr)	12	10	8	9	7	4	9	5
-------------	----	----	---	---	---	---	---	---

- Q.7** Write **ANY THREE** short notes out of four: (15)
- a) Sample size
 - b) Coefficient of correlation
 - c) T test
 - d) Chi-square test and its application

* * * * *