

AYURVEDA VACHASPATI (M.D.AYURVEDA) (2017 COURSE)

Preliminary

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SEBK,SWASTH: WINTER : 2023

SUBJECT: RESEARCH METHODOLOGY & BIO/MEDICAL STATISTICS

Day: Monday

Time : 10:00 AM-01:00 PM

Date: 18-03-2024

W-17984-2023

Max. Marks : 100

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 Describe clinical research with help of following points - (15)
- i) Prospective and retrospective study (with 2 examples)
 - ii) Concept of Good clinical practice (GCP guidelines)
 - Phases of clinical studies.
- Q. 2 Write method of drug research in Mineral, Herbal and Animal Resource. (15)
- Q. 3 Describe Anuman Praman with its types and write its application in research with suitable examples. (15)
- Q. 4 Write any **SIX** short notes out of seven (30)
- a) Ayush research Portal
 - b) Different Styles of referencing
 - c) Acute and chronic toxicity
 - d) Animal Ethical committee (A E C)
 - f) A P I
 - g) Literature Review
 - h) Different material used for Manuscripts

SECTION - II

- Q. 5 Discuss the concepts of correlation and regression and discuss their application in Ayurveda. (15)

- Q. 6 Evaluate the 'significance of effect of medicine' with the help of table cited below (10)

Group	No of deaths	No of cured patients	Total no of treated patients
Control	12	30	42
Experimental medicine	13	45	58
Total	25	75	100

(Table showing effect of medicine and control subs.)

- Q. 7 Write any **THREE** short notes out of **FOUR** (15)
- a) Non parametric test
 - b) P value
 - c) Histogram
 - d) Pie diagram

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