CORRECTION IN THE PG AYURVEDA (PRELIMINARY) SYLLABUS

It is noted that in the KUHS web site, there is a mix up in the points of Research Methodology and Statistics under MD Ayurveda Preliminary Syllabus. Point numbers 6, 7, 8, 9 and 10 are repeated after point No. 5 under the heading MEDICAL STATISTICS and the original points are missing.

Hence the repeated points are hereby deleted and the following points are added in the syllabus.

6. **Probability: Definitions, types and laws of probability,**

7. **Normal distribution: Concept and Properties, Sampling distribution, Standard Error, Confidence Interval and its application in interpretation of results and normal probability curve.**

8. **Fundamentals of testing of hypotheses: Null and alternate hypotheses, type I and type 2 errors. Tests of significance: Parametric and Non-Parametric tests, level of significance and power of the test, 'P' value and its interpretation, statistical significance and clinical significance**

9. **Univariate analysis of categorical data: Confidence interval of incidence and prevalence, Odds ratio, relative risk and Risk difference, and their confidence intervals**

10. **Parametric tests: 'Z' test, Student's 't' test: paired and unpaired, 'F' test, Analysis of variance (ANOVA) test, repeated measures analysis of variance**

Point No. 11 onwards are to be maintained as such.

This correction made in the syllabus of all PG Ayurveda specialties under Part B - MEDICAL STATISTICS of PG (Ayurveda) Preliminary syllabus.

PART B	40 Marks
MEDICAL STATISTICS	Teaching Hours :80

1. Definition of Statistics :
   Concepts, relevance and general applications of   Biostatistics in Ayurveda
2. **Collection, classification, presentation, analysis and interpretation of data**(Definition, utility and methods)
3 . **Scales of Measurements**- nominal, ordinal, interval and ratio scales.
   Types of variables– Continuous, discrete, dependent and independent variables.
   Type of series– Simple, Continuous and Discrete
4. **Measures of Central tendency**– Mean, Median and Mode.
5. **Variability:**Types and measures of variability – Range, Quartile deviation,

Percentile, Mean deviation and Standard deviation

6 . **Probability**: Definitions, types and laws of probability,

7. **Normal distribution**: Concept and Properties, Sampling distribution, Standard Error, Confidence Interval and its application in interpretation of results and normal probability curve.

8. **Fundamentals of testing of hypotheses:**
   Null and alternate hypotheses, type I and type 2 errors.
   Tests of significance: Parametric and Non-Parametric tests, level of significance and power of the test, 'P' value and its interpretation, statistical significance and clinical significance

9. **Univariate analysis of categorical data:**
   Confidence interval of incidence and prevalence, Odds ratio, relative risk and Risk difference, and their confidence intervals

10. **Parametric tests:**'Z' test, Student's 't' test: paired and unpaired, 'F' test, Analysis of variance (ANOVA) test, repeated measures analysis of variance.

11. **Non parametric methods:**Chi-square test, Fisher's exact test, McNemar's test, Wilcoxon test, Mann-Whitney U test, Kruskall – Wallis with relevant post hoc tests (Dunn)

12. **Correlation and regression analysis:**
    Concept, properties, computation and applications of correlation, Simple linear correlation, Karl Pearson's correlation co-efficient, Spearman's rank correlation. Regression- simple and multiple.

13. **Sampling and Sample size computation for Ayurvedic research:**
    Population and sample. Advantages of sampling, Random (Probability) and non random (Non-probability) sampling. Merits of random sampling. Random sampling methods- simple random, stratified, systematic, cluster and multiphase sampling. Concept, logic and requirement of sample size computation, computation of sample size for comparing two means, two proportions, estimating mean and proportions.

14.**Vital statistics and Demography**: computation and applications - Rate, Ratio, Proportion, Mortality and fertility rates, Attack rate and hospital-related statistics

15. **Familiarization with the use of Statistical software**like SPSS/Graph Pad

Another correction suggested is in the nomenclature given in question papers of Preliminary Ayurveda Paper II

For all specialties it is given as Moulika siddhanta, which the central council had changed already.

As per that the following should be the nomenclature printed in question papers. (The term *Moulika siddhanta* is to be deleted from the Question Paper of all specialties).

Agadatantra Avum Vidhivaidyaka (Toxicology and Forensic Medicine)
Dravyaguna Vigyan (Materia Medica & Pharmacology)
Kayachikitsa (General Medicine)
Kaumarbhritya –Bala Roga (Pediatrics)
Kriya Sharir (Physiology)
Manovigyan Avam Manas Roga (Psychiatry)
Panchkarma (Five Therapeutic procedure)
Prasuti Avam Stri Roga (Gynecology & obstetrics)
Rasashastra and Bhaishajyakalpana (Iatrochemistry & Pharmaceuticals Science)
Roga Nidana Avum Vikritivigyan (Pathology and Diagnostic Procedure)

Shalakya Tantra (Diseases of eye, ear, nose, throat, head, oro- dentistry)

Shalya Tantra – General Surgery (Fundamental principles and applied aspects of Shalya tantra)

Ayurved Samhita & Siddhanta (Ayurvedic Compendium & Basic Principles)

Swasthavritta & Yoga (Preventive, Social Medicine & Yoga)