



Memo. No: SoE/107/2020

Date: 25/06/2020

**Online Student Support Services Programme Schedule for Paper-IV, Module-2 (Statistical Treatment of Data) of PGED Part-1, Jan 2020 Session through Google Meet**

Unit/Session	Name of the Faculty	Date & Time
Unit-6	Prof. Sanat Kr Ghosh	06.07.2020-1pm-2pm
Unit-6 contd.	Prof. Sanat Kr Ghosh	07.07.2020-1pm-2pm
Unit-7	Dr. K. N Chattopadhyay	08.07.2020-1pm-2pm
Unit-8	Dr. K. N Chattopadhyay	09.07.2020-1pm-2pm
Unit-9	Dr. K. N Chattopadhyay	10.07.2020-1pm-2pm
Unit-10	Dr. K. N Chattopadhyay	11.07.2020-1pm-2pm

**Syllabus of Paper-IV Module-2: Statistical Treatment of Data**

**Unit 6-** Need of Statistical Treatment of Data and descriptive analysis – need of statistical treatment of data in educational research. Preparation for data analysis- frequency distribution. Measures of central tendency- Mean Median and Mode. Measures of variability - Standard deviation and Quartile Deviation. Graphical representation of data- frequency polygon and histogram. Nature of distribution - Concept of normal distribution and normal probability curve. Deviation from normality- Skewness and Kurtosis.

**Unit 7-** Relation and prediction – Correlation – Product Moment Correlation, Biserial and Point biserial Correlation, Phi-coefficient. Spearman's Rank Correlation. Significance of correlation. Regression and Prediction- Linear and multiple regressions. Multivariate relation – Partial correlation and multiple correlations.

**Unit 8-** Testing hypothesis- Comparison of two means- t-test (correlated and uncorrelated), t-test for small N. Analysis of variance.

**Unit 9-** Nonparametric test- Chi-square test, Sign test, Wilcoxon Signed Rank Test, Median test, Mann-Whitney U test.

**Unit 10-** Psychological scaling- percentile score and percentile rank. T-score and Z-score.

**Points to be noted:**

- ✚ Learners are requested to join as per schedule.
- ✚ Meeting Link will be provided by the NSOU-ICT unit, Schoolguru to all respective learners prior to the scheduled sessions.
- ✚ Each session will be of one hour duration
- ✚ The sessions will be purely academic in nature (Only syllabus related academic queries will be addressed).

**Sd/-**

Prof. S. K Sarkar  
HoD, SoE, NSOU

**Sd/-**

Dr. Papiya Upadhyay  
Asst Prof of Education  
SoE, NSOU



Dr. A. N Dey  
Director, SoE, NSOU

***Copy Forwarded for necessary information to:***

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