

M. A. Geography I Semester

Paper No. : 16GEO21C4

STATISTICAL METHODS IN GEOGRAPHY

August 2018:

- 1st Week: Statistics, Geography and Statistics;
- 2nd Week: Significance of Statistics in geographical studies;
- 3rd Week: Primary and Secondary Data;
- 4th Week: Levels of data measurement: Nominal, Ordinal, Interval, and Ratio.
- 5th Week: Measures of Central Tendency: Arithmetic Mean,

September 2018:

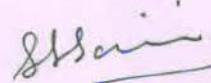
- 1st & 2nd Week: Median, Mode and their geographical significance; Centographic techniques: Mean Centre,
- 3rd Week: Median Centre and Standard Distance.
- 4th Week: Measures of dispersion and concentration
- 5th Week: Mean deviation, Standard Deviation

October 2018:

- 1st Week: Coefficient of Variation, Lorenz Curve and Gini's Coefficient;
- 2nd Week: Location Quotient.
- 3rd Week: Correlation and regression: Scatter diagram,
- 4th Week: Correlation by Spearman's Rank Difference and
- 5th Week: Karl Pearson's Product Moment,

November 2018:

- 1st Week: Significance testing of Correlation; Regression analysis
- 2nd Week: Regression equations construction of regression line,
- 3rd Week: Computation of residuals and mapping.
- 4th Week: Assignments, Seminar, Tests, Group Discussion



**Surjeet Singh Saini,
Associate Professor (Geography)**

M. A. Geography I Semester

Paper No. : 16GEO21C1

GEOMORPHOLOGY

August 2018:

1st Week: Geomorphology - Definition, Nature and scope,.

2nd Week: History and development of geomorphic ideas

3rd week: Fundamental concepts - Uniformitarian's, geological structure, process and stage

4th Week: The Earth's interior - structure and constitution, Recent Views. Plate tectonics- meaning and concept;

5th Week: Plates, plate margins and boundaries; plate motion; Tectonic activities along the boundaries and Distribution of plates.

September 2018:

1st & 2nd Week: Endogenetic processes - Faulting, folding and their geomorphic expressions

3rd Week: Earthquake concept, causes, classification, intensity and magnitude,

4th Week Geographical distribution. Vulcanism - concept, mechanism and causes;

5th Week: Volcanoes- classification, volcanic materials, Topography associated with volcanicity and geographical distribution.

October 2018:

1st Week: Exogenetic processes : Weathering and mass wasting - meaning and concept, controlling factors, classification and significance

2nd Week: Dynamics of fluvial and aeolian,

3rd Week: Glacial and Karst processes and resulting landforms

4th Week: Applied Geomorphology - meaning; Applications of Geomorphology in Regional planning ,

5th Week: Engineering projects, mineral exploration and hydrology

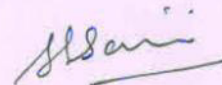
November 2018:

1st Week: Regional Geomorphology of Punjab plain

2nd Week: Regional Geomorphology of Aravalli Region and Thar desert of India

3rd Week: Assignments and Seminar,

4th Week: Tests & Group Discussion



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Associate Professor (Geography)**