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Gg-201 : FUNDAMENTALS OF GEOGRAPHICAL ANALYSIS

From June 2014

Practical Exercise: First Term

Topic: I

Ex.1. Map: Meaning, Definition and Types.

Ex.2. Map Scale: Definition and Types.

Ex.3. Conversion of Scale. Verbal scale to numeric and vice versa (in British and Metric Systems)

Ex.4. Construction of simple graphical scale.(2 examples each)

Ex.5. Construction of Comparative graphical scale. (2 examples each)

Topic: II

Ex.1. Definition and need of Map Projection.

Ex.2. Classification of map projection.

Ex.3. Zenithal polar projection: A) Zenithal Polar Gnomonic Projection
B) Zenithal Polar Stereographic Projection.

Ex.4. Conical Projection: A) Projection with one standard parallel
B) Bonne's Projection

Ex.5. Cylindrical Projection: A) Cylindrical equal area Projection.
B) Mercator's Projection

Ex.6. Conventional Map Projections: Mollweide's Projection

Topic: III

Ex.1. Basic: Various techniques of Data Representation: Graphs and Diagrams

Ex.2. Simple Line Graph

Ex.3. Polygraph

Ex.4 Simple Bar Diagram

Ex.5. Compound Bar Diagram

Ex.6. Pie Diagram (Chart)

Ex.7. Choropleth Mapping

Plotting & Presentation using computers

Topic: IV

Ex.1. Analysis of Statistical Data, Population and Sample

Ex.2. Tally mark and frequency table.

Ex.3. Frequency distribution (Histogram and Polygon)

Ex.4. Cumulative Frequency and Ogive curve.

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Practical Exercise: Second Term

Topic: V

Ex.1. Surveying: Definition of Surveying & classification.
Ex.2. Directions: Various Methods of deciding North direction True, Magnetic and Grid North:
Ex.3. Plane Table Survey: i. Radiation Method
Ex.4. Plane Table Survey. ii.Intersection methods
Ex.5. Prismatic Compass Surveying Methods: i. Open Travers
Ex.6. Prismatic Compass Surveying Methods: ii. Close Travers
Ex.7. GPS Survey & Plotting
Ex.8. Dumpy Level Survey & Plotting; a. Rise and Fall Method
Ex.9. Dumpy Level Survey & Plotting; a. Rise and Fall Method
Ex.10. Actual measurement of piece of land.

Topic: VI.

Ex.1. Field Excursion: Short-2 days; long more than 5 days & preparation of tour report
or
Village Survey Report