

M.Sc. GEOGRAPHY

CORE COURSE: GYP 405: Techniques in Physical Geography

Course learning outcomes:

CO1: Understand the different types of profile drawing.

CO2: Analyse the morphometric and stream order bifurcation ratio in techniques in physical geography.

CO3: Evaluate the slope analysis.

CO4: Understand the Smith and Wentworth's method.

CO5: understand the different types of climatic graphs.

Unit 1: Profile: Definition and Uses, Profile Drawing and Types of Profiles.

Unit 2: Morphometric Analysis (linear features). Morphometry, Stream Ordering, Bifurcation Ratio and Drainage Density.

Unit 3: Slope Analysis: Meaning, Definition- Smith's Method and Wentworth's Method.

Unit 4: Climatic graphs: Hyther-graphs, Climo-grapahs and Ergo-graph.

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Reference:

- 1. Monkhouse F.J and Wilkinson HR (1952) Maps and Diagrams, their compilations and concentration, Muthuen & Co. London.
- Harwel JD, Newson MD. (1973)- Techniques in Physical Geography, Mc. Millan Edu. Ltd. London.
- 3. Mishra RP. And Ramesh A (1968) Fundamentals of Cartography, Prasaranga, University of Mysore, Mysore.
- 4. Robinson & Marison (1995), Elements of Cartography USA.
- 5. R.L. Singh (2010) Practical Geography, Sharada Pustak Bhavan, 11, University Road, Allahabad, UP India