

B.A. Geography Honours under

CBCS System (Sem-V)

DSE2B: Fluvial Geomorphology (Practical)

Teacher: Lamhu Dolma Tamang

Suggested Books:

1. Dent B. D., Torguson J. S., and Holder T. W. (2008): Cartography: Thematic Map Design (6th Edition), McGraw-Hill Higher Education.
2. Doornkamp, Jhon C. and King, Cuchlaine A.M. (1971). Numerical Analysis in Geomorphology—An Introduction, Edward Arnold: London.
3. Gupta K. K. and Tyagi V. C. (1992): Working with Maps, Survey of India, DST, New Delhi.
4. Kraak M.-J. and Ormeling F. (2003): Cartography: Visualization of Geo-Spatial Data, Prentice-Hall.
5. Mishra R. P. and Ramesh A., (1989): Fundamentals of Cartography, Concept, New Delhi.
6. Saha, P. and Basu P. (2010). Advanced Practical Geography—A Laboratory Manual, books & Allied Pvt. Ltd.: Kolkata. Cuff J. D. and Mattson M. T. (1982): Thematic Maps: Their Design and Production, Methuen Young Books.
7. Saha, P. and Basu P. (2010): Advanced Practical Geography—A Laboratory Manual, books & Allied Pvt. Ltd.: Kolkata.
8. Sarkar, Ashis (2013): Practical Geography—A Systematic Analysis, Orient Black Swan Pvt. Ltd.: New Delhi.
9. Sarkar, Ashis (2013): Quantitative Geography—Techniques And Presentations, Orient Black Swan Pvt. Ltd.: New Delhi.
10. Singh R. L. and Singh R. P. B. (1999): Elements of Practical Geography, Kalyani Publishers.
11. Singh, Gopal (2008): Map work and Practical Geography, Vikas Publishing House Pvt. Ltd.: New Delhi.
12. Slocum T. A., McMaster R. B. and Kessler F. C. (2008): Thematic Cartography and Geovisualization (3rd Edition), Prentice Hall.
13. Tyner J. A. (2010): Principles of Map Design, The Guilford Press.

| Sl. No | Fluvial Geomorphology (Practical) |
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| 1 | Concept of Stream Ordering |
| 2 | Significance of Stream Ordering |
| 3 | Various Methods of Stream Ordering |
| 4 | Concept of Bifurcation Ratio |
| 5 | Calculation and plotting Bifurcation Ratio |
| 6 | Concept of Stream Sinuosity |
| 7 | Calculation of Stream sinuosity indices |
| 8 | Concept of Drainage density |
| 9 | Calculation of Drainage Density |
| 10 | Plotting of Drainage Density |
| 11 | Concept of Stream frequency |
| 12 | Calculation of Stream Frequency |
| 13 | Plotting of Stream Frequency |
| 14 | Concept of Dissection Index |
| 15 | Calculation of Dissection Index |
| 16 | Plotting of Dissection Index |