

Rayat Shikshan Sanstha's
Chhatrapati Shivaji College, Satara
M. A. Part -I SEM – I
GEOC 21- Paper – I - FUNDAMENTALS OF GEOMORPHOLOGY
(Teaching Hours – 60, Credit – 04)

Outcome:

Students are able to acquire the knowledge of geomorphic process.

Unit- 1 : Introduction to Geomorphology (15)

Meaning, nature and scope of geomorphology,
Fundamental concepts in geomorphology, Development of geomorphic thought,

Unit- 2 : Evolution of Continents and ocean (15)

Characteristics of Land and water distribution,
Continental drift theory of Wegener, Theory of Plate Tectonics, Sea floor spreading

Unit- 3 : Factors controlling landform development (15)

Classification of Endogenetic and Exogenetic forces,
Denudational processes: Weathering, Erosion and Mass movement

Unit- 4 : Denudational Agents (15)

Dynamic agencies of denudation and their work: Fluvial, Glacial, Coastal, Aeolian.
Morphogenetic regions

REFERENCES:

1. Allaby, Michael (2008): Oxford Dictionary of Earth Science, Oxford University Press, New York.
2. Bloom, A.L. (1991): Geomorphology, 2nd Ed Englewood Cliffs, M.J. Prentice Hall.
3. Chorley, R.J. Schumm, S.A. & Sugden, D.E. (1985): Geomorphology, Methuen & Co. Ltd., London, New York.
4. Brierley, G.J. & Fryirs, K.A. (2005): Geomorphology and River Management, Blackwell Publishing, Oxford UK.
5. Briggs, K. (1985): Physical Geography Process and System, Hodder and Stoughton, London.
6. Christopherson, R.W. (1995): Elemental Geosystems: A Foundation in Physical Geography, Prentice Hall Englewood Cliffs, New Jersey.
7. Cook, R.U. & Doornkamp, J.C. (1974): Geomorphology in Environmental Management, an Introduction. Clarendon Press. Oxford.
8. Dayal, P. (1996): A Textbook of Geomorphology, Shukla Book Depot, Patna.
9. Fairbridge, R.W., ed. (1968): Encyclopaedia of Geomorphology Reinhold, New York.
10. Hart, M.G. (1986): Geomorphology Pure and Applied, George Allen and Unwin, London.
11. Leopold, L.B. Wolman, M.G. & Miller, J.P. (1964): Fluvial Processes in Geomorphology, W.H. Freeman, San Francisco.
12. Lobeck, A.K. (1939): Geomorphology, McGraw Hill, New York