

F.Y.B.Sc. (Geography)
Choice Based Credit System Syllabus
To be implemented from Academic Year 2019-2020
Semester I
Paper I
Introduction to Physical Geography–I (Geomorphology)

Course No :Gg111

Total no. of Credits: 02

No. of hours:30

Sr. No	Unit	Sub-Units	No. of Hours
1	Introduction of Geomorphology	a. Introduction to Physical Geography and its branches b. Geomorphology – Definition, Nature and Scope c. Components of Earth systems. d. Geological time scale. e. Applied Geomorphology	08
2	The Earth system	a. Interior of the Earth – based on seismic evidences. B. Theory of Isostasy. c. Wegener’s Continental Drift Theory. D. Crustal movements: Folding and faulting and their types.	07
3.	Plate Tectonics	a. Theory of Plate tectonics. b. Plates and boundaries and associated landforms. c. Earthquakes and volcanoes, their types, causes and effects.	07
4.	Geomorphic Processes	a. Rocks and Minerals: Meanings, differences and classification of rocks. b. Weathering: Definition and types c. Mass movement: Meaning and types d. Fluvial cycle of erosion : Theory by Davis	08

Reference books:

1. **Conserva H. T.** 2004: Illustrated Dictionary of Physical Geography, Author House, USA.
2. **Christopherson, R.W.** 2000, Geo-systems, Prentice Hall, INC. USA.
Hamblin, W.K., 1989. The Earth’s Dynamic Systems, Macmillan Publishing Company, New York.
3. **Gabler, R.E., Peterson, J.F. and Trapasso, L.M.,** 2007: Essentials of Physical Geography (8th Edition), Thomson, Brooks/Cole, USA.
4. **Garrette, N.,** 2000: Advance Geography, Oxford University Press.
5. **Goudie, A.,** 1984: The Nature of Environment: An Advanced Physical Geography, Basil Blackwell Publishers, Oxford
6. **Husain, M.,** 2001. Fundamentals of Physical Geography, Rawat Publication, Jaipur.

7. **Kale, V.S. and Gupta, A.**, 2001. Introduction to Geomorphology, Orient Longman, Calcutta.
8. **Monkhouse, F.J.**, 1996. Principles of Physical Geography, Hodder and Stoughton, London.
9. **Robinson, H.**, 1969. Morphology and Landscape, University Tutorial Press Ltd, London.
10. **Siddhartha, K.**, 2001. The Earth's Dynamic Surface, Kishorey Publications Pvt. Ltd, New Delhi.
11. **Strahler, A.A. and Strahler, A. N.**, 2002. Physical Geography: Science and Systems of the Human Environment, John Wiley & Sons, New York.

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