

**B. A. Part-I Semester I  
Geography  
(THEORY with Practical)**

**Title of the Course:** Physical Geography

**Code:** DSC B10

Number of Theory Credits	Number of lecture hours/ semester	Number of Theory Classes per week
04	60	04

**Course Outcomes**

1. Students will be able to understand the basic concepts in Physical Geography.
2. Students understand basic terms used to describe physical processes and landscape forms.
3. Students understand the atmosphere.
4. Students understand the concept of maps and globe.

**Course Objectives**

This course aims to

1. To study basic principles of the Physical Geography.
2. To understand the lithosphere, denudation, landforms, atmospheric elements and structure.
3. To understand the concept of maps and globe.

Syllabus

**Semester - I**

	Teaching Hours	Credits
<b>Module – I Introduction to Physical Geography</b>	10	0.75
1.1 Meaning and Definitions		
1.2 Scope of Physical Geography		
1.3 Branches of Physical Geography		
1.4 Importance of Physical Geography		
<b>Module – II Lithosphere</b>	10	01
2.1 Interior of the earth		
2.2 Wagner’s Continental Drift Theory		
2.3 Earthquakes – Causes and Effects		
2.4 Volcano – Causes and Effects		
<b>Module – III Denudation</b>	15	01
3.1 Weathering: Concept and Types		
3.2 Davis Concept of Cycle of Erosion		
3.3 Erosional Landforms of River.		
3.4 Depositional Landforms of River.		

<b>Module- IV Atmosphere</b>	15	01
4.1 Composition and Structure of Atmosphere		
4.2 Insolation: Factors affecting on Insolation		
4.3 Temperature: Distribution of temperature (Vertical and Horizontal)		
4.4 Atmospheric Pressure: Belts and Planetary Winds.		
<b>Module- V Map (Practical)</b>	10	0.25
5.1 Map: Definition, Elements and Types		
5.2 Maps and Globe- Similarities and Differences		
5.3 Significance and Use of Maps and Globe		

### **Reference Books**

- 1) Clyton K., (1986), Earth Crust, AdusBook , London.
- 2) Davis W. M., (1909), Geographical Essay, Ginnia Co.
- 3) Dayal P., (1996), Text Book of Geomorphology, Shukla Book Depot, Patna.
- 4) Kale V.S. and Gupta A., (2001), Elements of Geomorphology, Oxford University Press, Kolkata.
- 5) Kale V.S. and Gupta A., (2001), Elements of Geomorphology, Oxford Univ. Press. Monkhouse, (1951), Principle of Physical Geography, McGraw Hill Pub – New York.
- 6) Pitty A. F., (1974), Introduction to Geomorphology, Methuen London.
- 7) Singh Savindra, (2000), Physical Geography, PrayagPustakBhavan, 20-A, University Road, Allahabad – 211002.
- 8) Steers J. A., (1964), The Unstable Earth Some Recent Views in Geography, Kalyani Publishers, New Delhi.
- 9) Swaroop Shanti, (2006), Physical Geography, King Books, NaiSarak, Delhi – 110006.
- 10) Wooldridge S. W. and Morgan R. S., (1959), The Physical Basis of Geography and Outline of Geomorphology, Longman Green and Co. London.

### **Reference Websites**

- 1) <http://www.solarviews.com/eng/earth.htm>
- 2) <http://www.moorlandschool.co.uk/earth/tectonic.htm>
- 3) <https://www.usgs.gov/>
- 4) <https://www.ksndmc.org>

### **Suggested equivalent online courses:**

- [https://onlinecourses.swayam2.ac.in/aic19\\_ge05/preview](https://onlinecourses.swayam2.ac.in/aic19_ge05/preview)  
[https://onlinecourses.swayam2.ac.in/nou21\\_bt03/preview](https://onlinecourses.swayam2.ac.in/nou21_bt03/preview)