

### Generic Elective: Principles of Physical Geography

#### CREDIT DISTRIBUTION, ELIGIBILITY AND PRE-REQUISITES OF THE COURSE

Course title and code	Credits	Credit distribution of course			Eligibility Criteria	Pre-requisites of course, if any
		Lecture	Tutorial	Practical		
PRINCIPLES OF PHYSICAL GEOGRAPHY	4	3	1	-	Class XII <sup>th</sup> Pass in any discipline	NIL

#### Learning Objectives

The learning objectives of the course are as follows:

- To explain the definition, nature and scope of Physical Geography
- To recognize the structure and processes of the earth systems
- To understand the component soft he Spheres of the Earth

#### Learning Out comes

The student will be able:

- To classify earth into various spheres according to physical elements
- To differentiate between lithosphere, atmosphere, hydro sphere and bio sphere and understand their inter relationship
- To appreciate the concept of biodiversity and conservation

**Unit 1: Introducing Physical Geography** – Definition, nature and scope;  
c o n t e m p o r a r y   r e l e v a n c e

**Unit 2: Lithosphere** – Interior structure of the earth; endogenetic and exogenetic forces; plate tectonics.

**Unit 3: Atmosphere** – Structure and composition; elements of climate (temperature, pressure, precipitation); general circulations.

**Unit 4: Hydrosphere** – Hydrological cycle; ocean currents and tides.

**Unit 5: Biosphere** – Soil types, Major biomes of the world; Biodiversity – significance and conservation.

## References

1. Gautam, Alka (2019) *Bhoutik Bhugol*, Rastog Publications, Meerut.
2. Gervais, B.(2019) *Living Physical Geography*, Second Edition, W.H. Freeman and Company, New York.
3. Khullar, D.R.(2018) *Physical Geography*, Kalyani Publications, NewDelhi.
4. Lal, D.S.(2021) *Jalvayuavm Samundra Vigan*, Sharda Pustak Bhawan.
5. Lutgens, F.K., Tarbuck, E.C., and Dennis Tasa (2015) *Foundations of Earth Science*, Eight Edition, Pearson India Education Services, Noida.
6. Saroha, J. and Singh, S.(2024) *Physical Geography*, Pearson Publication, Noida.
7. Singh, Savindra (2023) *Bhoutik Bhugol*, Pravalika Publications, Prayagraj.
8. Singh, Savindra(2023) *Physical Geography*, Pravalika Publications, Prayagraj.
9. Strahler, A. (2013) *Introducing Physical Geography*, Sixth Edition, John Wiley and Sons, New Jersey.
10. Thornbury, W.D (1954) *Principles of Geomorphology* (3<sup>rd</sup> Edition), New Age International

## Generic Elective: Principles of Human Geography

### CREDIT DISTRIBUTION, ELIGIBILITY AND PRE-REQUISITES OF THE COURSE

Course title and code	Credits	Credit distribution of course			Eligibility Criteria	Pre-requisites of course, if any
		Lecture	Tutorial	Practical		
PRINCIPLES OF HUMAN GEOGRAPHY	4	3	1	-	Class 12 <sup>th</sup> Pass in any discipline	NIL

#### Learning Objectives

The learning objectives of the course are as follows

- To explain the definition, nature and scope and contemporary relevance of subject
- To analyse the diversity, trends and patterns of world population
- To understand the settlement types, economic activities and cultural realms

#### Learning Outcomes

The student will be able:

- To understand the elements of human and cultural land scape
- To analyse to hierarchy of settlements and concepts of urban and rural spaces
- To have knowledge of cultural realms and economic activities

**Unit1: Introducing Human Geography** – Definition, nature and scope, contemporary relevance.

**Unit 2: Population Geography** – World population growth – trends and patterns; theory of demographic transition; Human Development

**Unit 3: Settlement Geography**–Types and patterns of rural settlements, Hierarchy of urban settlements; Central Place Theory.

**Unit 4: Economic Geography** – Classification of Economic activities, Concept and classification of resources, Von Thunen and Weber's Theories

**Unit 5: Cultural Geography** – Cultural realms-race and ethnicity; language and religion.

### **Selected References**

1. Chandna, R.C.(2017) Geography of Population, Kalyani Publishers, Ludhiana, India.
2. Hassan MI (2020) Population Geography, A Systematic Exposition. RoutledgeTaylor and Francis Group, New York.
3. Hussain Majid (2021) Human Geography, Rawat Publication.
4. Majid, Hussain (2012) *Manav Bhugol*, Rawat Publication.
5. Maurya, S.D.(2012).*Manav Bhugol*. Allahabad, India: Sharda Pustak Bhawan.
6. Rubenstein, J.M.(2008) An Introduction to Human Geography: The Cultural Landscape, Pearson Prentice Hall, NJ.
7. Saroha,J.(2021) *Jansankhya Bhugol,Jananki kievam Jansankhya Adhayan*, M.K. Books, New Delhi.
8. Singh, SandSaroha, J(2021) Human and Economic Geography, Pearson Publication, Noida
9. Singh, Sand Saroha, J (2021) Urban Geography, Pearson Publication, Noida.