

**(B) Minor Courses to be offered by the Department for students of other Departments of Social Science**

Sl.No.	Sem.	Type of Course	Name of Course	Credit	Marks
1.	I	MIC-1(T)	Geomorphology(T)	2	100
		MIC-1(P)	Geomorphology(P)	1	100
2.	II	MIC-2(T)	Climatology and Oceanography(T)	2	100
		MIC-2(P)	Climatology and Oceanography(P)	1	100
3.	III	MIC-3(T)	Economic Geography(T)	2	100
		MIC-3(P)	Economic Geography(P)	1	100
4.	IV	MIC-4(T)	Population Geography(T)	2	100
		MIC-4(P)	Population Geography(P)	1	100
5.	V	MIC-5(T)	Human Geography(T)	3	100
		MIC-5(P)	Geography of India and Bihar(T)	2	100
		MIC-6(P)	Geography of India and Bihar(P)	1	100
6.	VI	MIC-7(T)	Regional Planning and Development (T)	4	100
		MIC-8(P)	Statistical Method in Geography (P)	2	100
7.	VII	MIC-9(T)	Environmental Geography (T)	3	100
		MIC-9(P)	Environmental Geography (P)	1	100
8.	VIII	MIC -10(T)	Remote Sensing and GIS (T)	3	100
		MIC-10(P)	Remote Sensing and GIS (P)	1	100
<b>TOTAL</b>				<b>32</b>	

**Note:** The Department may reduce the syllabus of the Minor Courses as per the credit distribution. The Department concerned may also decide practical courses.

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Study

# GEOGRAPHY

## SEMESTER – I

**PAPER** : MIC-1 (T)  
**TITLE OF THE PAPER** : GEOMORPHOLOGY  
**CREDIT** : 2

**Full Marks: 100**  
**ESE: 70**  
**CIA: 30**

### **COURSE OBJECTIVES :**

- 1.To understand the origin and internal structure of the Earth.
- 2.To examine various Geomorphic processes.
- 3.To understand earth movements and related features.

### **COURSE OUTCOMES :**

After completion of the course students will be able to -

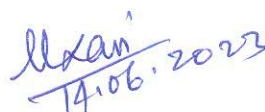
1. Understand the various Geomorphic Processes.
2. Understand the properties and types of Rocks.
3. Understand Earth movement and its resultant features.

Unit	Topics	No. of Lectures
I	Origin of the Earth- Gaseous Hypothesis, Binary Star Hypothesis; Internal Structure of the Earth	06
II	Geomorphic Process: Weathering and Erosion, Rocks and its Types.	06
III	Plate Tectonics, Earthquake and Volcanoes.	08
<b>Total</b>		<b>20</b>

### **Suggested Readings:-**

- 1.Bridges E.M.(1990),World Geomorphology,Cambridge University Press,Cambridge.
- 2.Dayal.P. A Text Book of Geomorphology, Rajesh Publication, New Delhi.
- 3.Gautam Alka(2007), Bhuakriti Vigyan, Rastogi Publications.
- 4.Hussain M., (2002), Fundamentals of Physical Geography, Rawat Publication, Jaipur.
- 5.Kale V.S.and Gupta A., (2001), Introduction to Geomorphology,Orient Longman, Hyderabad.
- 6.Khullar D.R.,(2011) ,Physical Geography, Kalyani Publishers, New Delhi.
- 7.Monkhouse,F.J.(2009),Principles of Physical Geography,Platinum Publishers,Kolkata.
- 8.Singh Savindra(2017),Bhoutik Bhougol ,Vashundhara Prakashan,Gorakhpur.
- 9.Strahler A. N.and Strahler A.H.(2008), Modern Physical Geography,John Wiley & Sons, New York.
- 10.Thornbury W. D.,(1968) ,Principles of Geomorphology, John Wiley & Sons, New York.

  
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# **GEOGRAPHY**

## **SEMESTER – I**

**PAPER** : MIC-1 (P) **Full Marks- 100**  
**TITLE OF THE PAPER** : **GEOMORPHOLOGY** **ESE: 70**  
**CREDIT** : 1 **CIA: 30**

### **COURSE OBJECTIVES :**

1. To study Topographical Maps with the help of conventional signs and symbols..
2. To understand contour lines.
3. To understand relief features.

### **COURSE OUTCOMES :**

After completion of the course students will be able to-

1. Understand the concept and properties of various types of Rocks and Minerals.
2. Identify various types of Rocks and Minerals.
3. Understand the various land forms and other Geomorphic processes.

<b>UNIT</b>	<b>Topics</b>	<b>No. of Lectures</b>
<b>I</b>	Conventional signs and Symbols.	05
<b>II</b>	Contour Lines and representation of Relief: Plateau, Conical hill, U-shaped valley, Waterfall.	05
<b>Total</b>		<b>10</b>

### **Suggested Readings:-**

1. Singh R.L., Singh Rana P.B. (2020), Elements of Practical Geography, Kalyani Publishers.
2. Sharma J.P.,(1991-92) Prayogik Bhugol (Practical Geography) Rastogi & Company Meerut.
3. Sinha, MMP & Bala, Seema (2017) Uch Cartography, Rajesh Publication, New Delhi.
4. Sarkar, A (2015) Practical Geography: A Systematic Approach, Orient Black Swan Private Ltd. New Delhi.

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