

GEOGRAPHY

(A)Major Core Course

Sl.No.	Sem.	Type of Course	Name of Course	Credits	Marks
1.	I	MJC-1 (T)	Geomorphology (T)	4	100
		MJC-1 (P)	Geomorphology (P)	2	100
2.	II	MJC-2 (T)	Climatology and Oceanography (T)	4	100
		MJC-2(P)	Climatology and Oceanography (P)	2	100
3.	III	MJC-3 (T)	Economic Geography (T)	5	100
		MJC-4 (T)	Cartograms, Map Projection and Surveying (T)	3	100
		MJC-4(P)	Cartograms, Map Projection and Surveying (P)	1	100
4.	IV	MJC-5(T)	Human Geography (T)	5	100
		MJC-6(T)	Geography of India and Bihar (T)	5	100
		MJC-7(T)	Statistical Methods in Geography (T)	3	100
		MJC-7(P)	Statistical Methods in Geography (P)	2	100
5.	V	MJC-8(T)	Environmental Geography (T)	5	100
		MJC-9(T)	Cartographic Techniques (T)	3	100
		MJC-9 ()	Cartographic Techniques (P)	2	100
6.	VI	MJC-10(T)	Evolution of Geographical Thought (T)	5	100
		MJC-11(T)	Research Methodology and Field Work	4	100
		MJC-12(T)	Remote sensing and GIS (T)	3	100
		MJC-12(P)	Remote Sensing and GIS (P)	2	100
7.	VII	MJC-13(T)	Regional Planning and Development (T)	5	100
		MJC-14(T)	Social Geography (T)	5	100
		MJC-15(T)	Disaster Management (T)	4	100
		MJC-15(P)	Disaster Management (P)	2	100
8.	VIII	MJC-16(T)	Research Methodology (T)	4	100
TOTAL				80	

GEOGRAPHY

SEMESTER – I

PAPER	:	MJC-1 (T)	Full Marks: 100
TITLE OF THE PAPER	:	GEOMORPHOLOGY	ESE: 70
CREDIT	:	4	CIA: 30

COURSE OBJECTIVES :

1. To understand the concept of various landforms and physical features.
2. To examine and correlate information about Geomorphic processes.
3. To provide a theoretical and empirical framework for understanding landscapes evolution.

COURSE OUTCOMES :

After completion of the course students will be able to -

1. Develop an idea of Geomorphology and its fundamental concepts.
2. Understand various theories regarding the origin of the earth.
3. Understand various processes of natural and anthropogenic factors.
4. Understand the role of structure, process and stages in shaping the landforms.
5. Explain different types of Geomorphic processes like weathering and cycle of erosion.
6. Understand the processes of erosion, deposition and resulting landforms.

Unit	Topics	No. of Lectures
I	Nature and Scope of Geomorphology, Origin of the Earth: Nebular, Tidal and Big Bang Theory, Internal Structure of the Earth	10
II	Isostasy: Concept of Airy and Pratt, Wegner's Continental Drift Theory, Plate Tectonics.	10
III	Mountain Building: Theories of Kober and Holmes, Earthquake and Volcanoes.	08
IV	Geomorphic Processes: Weathering and Erosion, Normal Cycle of Erosion-Davis and Penck, Evolution of Landforms:- Glacial, Arid and Karst Topography.	12
Total		40

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 : **MJC-1 (P)** **Full Marks- 100**
TITLE OF THE PAPER : **GEOMORPHOLOGY** **ESE: 70**
CREDIT : **2** **CIA: 30**

COURSE OBJECTIVES :

1. To understand the basic characteristics of Rocks and Minerals for their identification.
2. To understand various land forms, relief and Geomorphic process .
3. To understand Topographical Maps through Conventional signs and Symbols.

COURSE OUTCOMES :

After completion of the course students will be able to -

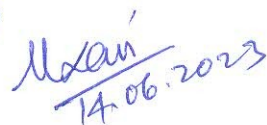
1. Understand the concept and properties of various types of Rocks and Minerals.
2. Identify various types of Rocks and Minerals.
3. Understand the various land forms and other Geomorphic processes'
4. Understand and interpret Topographical maps.

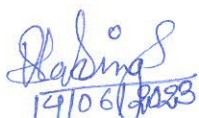
Unit	Topics	No. of Lectures
I	Scale and its types; Rocks and Minerals: Properties and Identification.	04
II	Contour lines, Cross-Sections and Representation of Relief.	08
III	Interpretation of Topographical Maps and Use of Conventional Signs and Symbols.	08
Total		20

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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