

(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
TOTAL				32	

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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GEOGRAPHY

SEMESTER – II

PAPER : MIC-2 (T)
TITLE OF THE PAPER : CLIMATOLOGY & OCEANOGRAPHY
CREDIT : 2

Full Marks- 100
ESE: 70
CIA: 30

COURSE OBJECTIVES :

1. To understand atmospheric pressure and wind system.
2. To understand the structure and composition of atmosphere.
3. To develop understanding of relief and properties of Oceans.

COURSE OUTCOMES :

After completion of the course students will be able to -

1. Understand the concept of structure and composition of Atmosphere.
2. Understand global atmospheric pressure and wind system.
3. Understand Relief and Properties of Oceans.

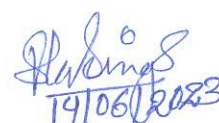
Unit	Topics	No. of Lectures
I	Composition and Structure of Atmosphere, Precipitation	06
II	Atmospheric Pressure, Winds and Cyclones	06
III	Relief of the Oceanic Bottom; Salinity of Ocean water	08
Total		20

Suggested Readings:-

1. Barry R. G. and Carleton A. M., (200) *Synoptic and Dynamic Climatology*, Routledge, UK.
2. Barry R. G. and Corley R. J., (1998) *Atmosphere, Weather and Climate*, Routledge, New York.
3. Critchfield H. J., (1987) *General Climatology*, Prentice-Hall of India, New Delhi.
4. Lutgens F. K., Tarbuck E. J. and Tasa D., (2009) *The Atmosphere: An Introduction to Meteorology*, Prentice-Hall, Englewood Cliffs, New Jersey.
5. Oliver J. E. and Hidore J. J., (2002) *Climatology: An Atmospheric Science*, Pearson Education, New Delhi.
6. Trewartha G. T. and Horne L. H., (1980) *An Introduction to Climate*, McGraw-Hill, US.
7. Gupta L. S., (2000) *Jalvayu Vigyan*, Hindi Madhyam Karyanvay Nidishalya, Delhi Vishwa Vidhyalaya, Delhi.
8. Lal, D S., (2006) *Jalvayu Vigyan*, Prayag Pustak Bhavan, Allahabad.
9. Vatal, M., (1986) *Bhautik Bhugol*, Central Book Depot, Allahabad.
10. Singh, S (2009): *Jalvayu Vigyan*, Prayag Pustak Bhawan, Allahabad.


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GEOGRAPHY

SEMESTER –II

PAPER : MIC-2 (P) **Full Marks- 100**
TITLE OF THE PAPER : CLIMATOLOGY & OCEANOGRAPHY **ESE: 70**
CREDIT : 1 **CIA: 30**

COURSE OBJECTIVES :

1. To understand the importance of weather maps.
2. To understand the use of different weather instruments.
3. To get acquainted with different weather conditions through diagrams and instruments.

COURSE OUTCOMES :

After completion of the course students will be able to -

1. Understand the various weather phenomena.
2. Interpret weather conditions of a place.
3. Understand the functions of various weather instruments.

Unit	Topics	No. of Lectures
I	Interpretation of Weather Maps; Wind Rose	05
II	Functions of Wind Vane, Anemometer, Barometer and Rain Gauge	05
Total		10

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) Uchh 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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Question Paper Pattern

The Question paper pattern shall consists of three parts-

Part-A- Comulsory- consisting of objective/multiple choice type-

each carrying two marks

10x2= 20 marks

Part-B- Short Answer Type- Four questions to be answered out of six questions-

each carrying five marks


04x5= 20 marks


Part-C- Long Answer Type- Three questions to be answered out of five questions-

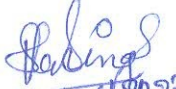
each carrying ten marks

03x10= 30 marks

Note- Examinations shall not be held on **OMR Sheet** strictly.


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