

RASHTRASANT TUKDOJI MAHARAJ NAGPUR UNIVERSITY, NAGPUR
Choice Based Credit System (CBCS) Course Structure

Subject-Geography
B.A. Second Year (Semester III & IV)
with effect from: June, 2023

Semester	Core Course	Paper No.	Name of the Paper	Lectures/ Week	Total No. of Lect. Per Sem.	CA	ESE	Total Marks	Minimum Passing Marks	Credits
I	CCGEOG- V	V	Introduction to Climatology	04	60	10	40	50	20	02
	CCGEOG- VI	VI	Practical Geography	02	30	10	40	50	20	02
Semester - III Total										
II	CCGEOG- VII	VI	Introduction to Human Geography Part - I	04	60	20	80	100	40	04
	CCGEOG- VIII	VIII	Practical Geography	02	30	10	40	50	20	02
Semester - IV Total										
				06	90	20	80	100	40	04

(CC = Core Course, CA = Continuous Assessment (Internal), ESE = End Semester Examination).

- Teaching work load shall be four periods per week for each theory paper and two periods per batch per week for practical.
- Strength of students for each practical batch shall not be more than 16 (Sixteen).
- Students shall not be allowed for Practical Examination without certified Practical Record.
- Total periods for each theory paper shall be 60 per semester.
- Total periods for practical paper shall be 30 per semester.
- Practical examination will be held at the end of every Semester.






B. A. Second Year
Subject Geography
Semester – III
Paper- CCGEOG-V Introduction to Climatology

Marks: 50 (40+10 internal) **Credits: 02**

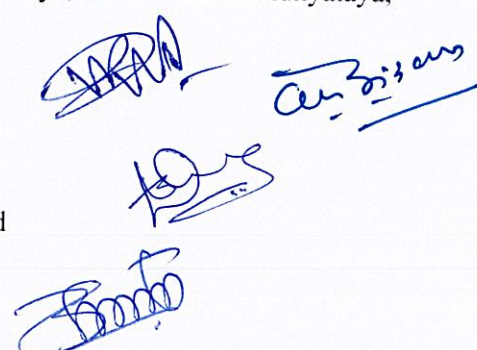
Periods: 60

Introduction to Climatology

Unit – I	- Weather and Climate, - definition and significance of climatology , - Element of weather and climate. - Composition and structure of Atmosphere.	Hours 15
Unit – II	- Atmospheric Temperature - Insolation - Global Energy Budget - Vertical and Horizontal distribution of temperature.	15
Unit – III	- Atmospheric Pressure and winds - Vertical and Horizontal distribution of pressure - Planetary, Periodic and Local winds.	15
Unit – IV	- Atmospheric pressure - Humidity, Evaporation and condensation - Type of precipitation - Hydrological Cycle.	15

Suggested Reading

1. Barry R. G. and Carleton A. M., 2001: 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.
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



B.A Second Year (Semester III) Geography
Paper CCGEOG –VI
Practical Geography

Marks: 50 (40+10 internal) **Credits: 02**

Periods: 30

Practical Geography

Unit – I	Preparation of climatic maps and diagrams	Hours
	a) Preparation of Isopleths showing temperature, Air Pressure and Rainfall.	8
	b) Construction of Histograms, Hythergraphs, Windrose Diagram & Tylor's Climograph.	
Unit – II	Study of Indian daily weather maps for following seasons	8
	a) Rainy Season	
	b) Winter	
	c) Summer	
Unit – III	Study of Following weather Instruments	7
	a) Maximum and Minimum thermometer	
	b) Barometer	
	c) Dry and Wet thermometer	
	d) Rain Gauge, Anemometer and Wind wane	
Unit – IV	Instrumental Survey Plain Table Survey Methods and Types	7

Plan of Practical Examination

The following plan will be strictly followed to test the skill developed by students

- 1) Preparation of Climatic maps
 - a) Isopleths Maps (6 Marks)
 - b) Climatic Diagrams (8 Marks)
- 2) Study of Indian daily weather maps (6 Marks)
- 3) Surveying (6 Marks)
- 4) Weather Instruments (4 Marks)
- 5) Viva-Voce (5 Marks)
- 6) Practical Record, Attendance and Punctuality (5 Marks)

Internal Test Examination (10 Marks)



Suggested Reading

1. Anson R. and Ormelling F. J., 1994: International Cartographic Association: Basic Cartographic Vol. Pregmen Press.
2. Gupta K.K. and Tyagi, V. C., 1992: Working with Map, Survey of India, DST, New Delhi.
3. Mishra R.P. and Ramesh, A., 1989: Fundamentals of Cartography, Concept, New Delhi.
4. Monkhouse F. J. and Wilkinson H. R., 1973: Maps and Diagrams, Methuen, London.
5. Rhind D. W. and Taylor D. R. F., (eds.), 1989: Cartography: Past, Present and Future, Elsevier, International Cartographic Association.
6. Robinson A. H., 2009: Elements of Cartography, John Wiley and Sons, New York.
7. Sharma J. P., 2010: Prayogic Bhugol, Rastogi Publishers, Meerut.
8. Singh R. L. and Singh R. P. B., 1999: Elements of Practical Geography, Kalyani Publishers.
9. Sarkar, A. (2015) Practical geography: A systematic approach. Orient Black Swan Private Ltd., New Delhi
10. Singh R L & Rana P B Singh(1991) Prayogtmak Bhugol ke Mool Tatva, Kalyani Publishers, New Delhi
11. Sharma, J P (2010) Prayogtmak Bhugol ki Rooprekha, Rastogi Publications, Meerut
12. Singh, R L & Dutta, P K (2012) PrayogatmakBhugol, Central Book Depot, Allahabad
13. कुंभार डॉ. अर्जुन , 'प्रात्यक्षिक भूगोल'
14. अहिरराव डॉ. डी.वाय. व प्रा. करंजखेले प्रात्यक्षिक भूगोल
15. नागतोडे , लांजेवार 'नकाशाशास्त्र व प्रात्याक्षिक भूगोल , पिंपळापूरे प्रकाशन , नागपूर
16. शिंदे डॉ. एस. बी. , 'नकाशासास्त्र' फडके प्रकाशन, कोल्हापूर
17. कनकुरे डॉ. के.बी. , डॉ. मानकरी एम.पी. , 'प्रायक्षिक भूगोल'



B. A. Second Year
Subject Geography
Semester – IV
Paper- CCGEOG-VII Introduction to Human Geography Part-I

Marks: 50 (40+10 internal)

Credits: 02

Periods: 60

Introduction to Human Geography Part-I

UNIT-I	▪ Meaning, Definition and Scope of Human Geography, ▪ Branches of Human Geography ▪ Ratzel's Contribution to Human Geography	Hours 15
UNIT-II	▪ Human races— ▪ Basis of Classification, ▪ Races of World and India by G. Taylor	15
UNIT-III	▪ Man-Environment relationship—Determinism, Possibilism, Neo-determinism ▪ Human adaptation to Environment—Eskimo and Gond	15
UNIT-IV	▪ Primary economic activities— ▪ Shifting and Subsistence Agriculture, ▪ Hunting and Gathering, Fishing	15

Suggested Reading

1. Dikshit R. D., 1997: Geographical Thought: A Contextual History of Ideas, Prentice– Hall India.
2. Hartshorne R., 1959: Perspectives of Nature of Geography, Rand MacNally and Co.
3. Holt-Jensen A., 2011: Geography: History and Its Concepts: A Students Guide, SAGE.
4. Daniel, P.A. and Hopkinson, M.F. (1989) The Geography of Settlement, Oliver & Boyd, London.
5. Johnston R; Gregory D, Pratt G. et al. (2008) The Dictionary of Human Geography, Blackwell Publication.
6. Jordan-Bychkov et al. (2006) The Human Mosaic: A Thematic Introduction to Cultural Geography. W. H. Freeman and Company, New York.
7. Kaushik, S.D. (2010) Manav Bhugol, Rastogi Publication, Meerut.
8. Maurya, S.D. (2012) Manav Bhugol, Sharda Pustak Bhawan. Allahabad.
9. Hussain, Majid (2012) Manav Bhugol. Rawat Publications, Jaipur

B.A Second Year (Semester IV) Geography
Paper CCGEOG –VIII
Practical Geography

Marks: 50 (40 + 10 Internal) **Credits: 02**

Periods: 30

Practical Geography

Unit –I	Construction , Merits, Demerits, Characteristics and Uses of following projection	Hours
	a) Simple Cynical Projection	8
	b) Cylindrical Equal Area Projection	
	c) Conical Projection with One standard Parallel	
	d) Conical Projection with Two standard Parallel	
Unit –II	Use of Statistical Methods Measurement of dispersions	8
	a) Mean Deviation	
	b) Quartile Deviation	
	c) Standard Deviation	
Unit –III	Use of Bar graphs and Line Graphs (Simple, Multiple and Compound) for following Data Population, Agriculture , Industry and Transport	7
Unit –IV	Filed study of Weather Station /Topographical features.	7

Plan of Practical Examination

The following plan will be strictly followed to test the skill developed by students

1	(a) Construction projection	(8 Marks)
	(b) Merits, Demerits, Characteristics and Uses	(2 Marks)
2	Statistical Methods (Two Examples)	(4 Marks)
3	(a) Use of Bar Graphs	(4 Marks)
	(b) Use of Line Graphs	(4 Marks)
4	Field study of Weather Station /Topographical features.	(4 Marks)
5	Viva-Voce	(5 Marks)
6	Practical Record, Attendance and Punctuality	(5 Marks)

Internal Test Examination

(10 Marks)

Suggested Reading

1. Anson R. and Ormelling F. J., 1994: International Cartographic Association: Basic Cartographic Vol. Pregmen Press.
2. Gupta K.K. and Tyagi, V. C., 1992: Working with Map, Survey of India, DST, New Delhi.
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6. Robinson A. H., 2009: Elements of Cartography, John Wiley and Sons, New York.
7. Sharma J. P., 2010: Prayogic Bhugol, Rastogi Publishers, Meerut.
8. Singh R. L. and Singh R. P. B., 1999: Elements of Practical Geography, Kalyani Publishers.
9. Sarkar, A. (2015) Practical geography: A systematic approach. Orient Black Swan Private Ltd., New Delhi
10. Singh R L & Rana P B Singh(1991) Prayogtmak Bhugol ke Mool Tatva, Kalyani Publishers, New Delhi
11. Sharma, J P (2010) Prayogtmak Bhugol ki Rooprekha, Rastogi Publications, Meerut
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17. कनकुरे डॉ. के.बी. , डॉ. मानकरी एम.पी. , 'प्रायक्षिक भूगोल'

