Modern College of Arts, Science and Commerce (Autonomous), Shivajinagar, Pune 05

F.Y.B.A. Geography NEP 2023 Pattern

Syllabus

To be implemented from Academic Year 2023-24

Semester	Paper	Subject code	Title of Paper	No. of credits		
Semester I						
F.Y.B.A. Sem I	Major Paper 1 (Theory)	23ArGeoU1101	Physical Geography	4		
	Major Paper 2 (Practical)	23ArGeoU1102	Practicals in Physical Geography	2		
	OE	23ArGeoU1401	Geography of Tourism -I	2		
	VSC (Major Specific Practical I)	23ArGeoU1501	Lab Course on Weather Instruments-I	2		
		Semester II				
F.Y.B.A. Sem II	Major Paper 3 (Theory)	23ArGeoU2101	Human Geography	4		
	Major Paper 4 (Practical)	23ArGeoU2102	Lab Course on Human Geography	2		
	Minor [Minor Paper I (Theory)]	23ArGeoU2301	Environmental Geography	2		
	OE	23ArGeoU2401	Geography of Tourism -II	2		
	VSC (Major Specific Practical II)	23ArGeoU2501	Lab Course on Weather Instruments-II	2		

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F. Y. B. A. Geography (2023 Course under NEP 2020)

Course Code: 23ArGeoU1101
Title of the Course: Physical Geography

Credits: 04 Total Lectures: 60

Objectives:

- 1. To introduce the students to the basic concepts in physical geography.
- 2. To orient the students to the applications of physical geography.
- 3. To familiarise the students with different Geo-environmental problems.
- 4. To sensitize the students with urgent need of protection and conservation of different aspects of Earth and its environment.

	Semester –I	Lectures
Chapter 1	Introduction to Physical Geography	10
	A. Meaning and definitions of Physical Geography	
	B. Nature and Scope of Physical Geography	
	C. Branches of Physical Geography	
	D. Importance of Physical Geography	
	E. Introduction about the Earth system (Lithosphere,	
	Atmosphere, Hydrosphere and Biosphere)	
Chapter 2	Lithosphere	16
	A. Interior of the earth	
	B. Wegner's Continental Drift Theory	
	C. Endogenic and Exogenic forces and processes	
	a) Endogenic – Volcano, Earthquake	
	b) Exogenic – Fault, folds	
Chapter 3	Atmosphere	18
	A. Structure and composition of the atmosphere	
	B. Heat Balance	
	C. Pressure belts and wind system	
	D. Types of clouds, Forms and types of Precipitation	
Chapter 4	Hydrosphere	
	A. Hydrological cycle	
	B. General structure of ocean floor	
	C. Ocean water circulation:	
	i. Waves	
	ii. Tides	
	iii. Ocean currents	

Learning Outcomes:

1. Students will understand the basic concepts in physical geography.

- 2. Students will understand the applications of physical geography.
- 3. Students will familiarise with different Geo-environmental problems.
- 4. To sensitize with urgent need of protection and conservation of different aspects of Earth and its environment.
- 5. To understand the different erosional & depositional features and intervention of mankind in the natural environment.
- 6. To understand various geographical phenomenon, their origin, distribution and effect on life. This study will help the students in general and society in particular to cope up with the natural calamities.
- 7. Ability development about GPS applications in study of Geography and for other purpose.
- 8. To gain knowledge about endogenetic forces and related movements, their associated landforms and its consequences.
- 9. To ascertain the knowledge about earth science.

- Bloom A.L., 2003. Geomorphology: A Systematic Analysis of Late Cenozoic Landforms, Prentice- Hall of India, New Delhi.
- 2. Husain, M., 2001. Fundamentals of Physical Geography, Rawat Publication, Jaipur.
- 3. Siddhartha, K., 2001.TheEarth'sDynamicSurface, Kisalaya Publications Pvt. Ltd, New Delhi.
- 4. Christopherson, R.W., 2000. Geo-systems, Prentice Hall, INC.USA.
- 5. Haywood, Sarah Cornelius and Steve Carver, 1998. An Introduction to Geographical Introduction Systems.
- 6. Hamblin, W.K., 1989. The Earth's Dynamic Systems, Macmillan Publishing Company, New York.
- 7. Strahler A.A. and Strahler A.N., 2002. Physical Geography.
- 8. Singh, S., 1998. Geomorphology, Prayag Pustak Bhavan, Allahabad.
- 9. प्रा. दाते आणि सौ. दाते, प्राकृतिक भूगोल
- 10. डॉ. श्रीकांत कार्लेकर, प्राकृतिक भुगोलाची मुलतत्वे.

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F.Y.B.A. Geography Syllabus (2023 Course under NEP 2020) Course Code: 23ArGeoU1102

Title of the Course: Practicals in Physical Geography

Credits: 02 Total Practicals: 15
Objectives:

- 1. To Study the basic techniques in Physical and Human Geography.
- 2. To learn the practical applications of theories in Physical and Human Geography.

	Semester - I	Practicals
Chapter 1	Elements of Map	02
	Basic Concepts A. Definition B. Elements of Map: Title, Scale, Direction, Projections, Conventional Signs and Symbols C. Types of Maps D. Uses of Maps	
Chapter 2	Map Scales	07
Chapter 3	A. Definition of Map scale B. Types of Scale:	06
Chapter 3	A. Qualitative Methods: Hachures, hill shading, layer tint B. Quantitative Methods: Spot height, triangulation station, bench mark, Contours, form lines, C. Representation of following features by contours: i. Slopes: Steep and gentle slope, uniform slope, concave slope, convex slope, terraced slope, ii. Landforms: conical hill, plateau, ridge, saddle, V-shaped valley, U-shaped valley, gorge, cliff	06

Learning Outcomes:

- 1. To acquire the knowledge of various techniques in Physical Geography.
- 2. On completion of the course, student will be able to design the techniques of Physical Geography for representation and interpretation of Geographical data and its phenomena.

- Wood, A. and Roberts, S. (2011): Economic Geography: Places, Network and Flows, Routledge, London
- Lutgens, F. K. and Tarbuck, E. J. (2010): The Atmosphere: An Introduction to Meteorology, Pearson Prentice Hall, New Jersey
- 3. Singh, S. (1998): Geomorphology, Prayag Pustak Bhawan, Allahabad
- 4. Liendsor, J. M. (1997): Techniques in Human Geography, Routledge, London
- 5. Chorley, R. J. and Hagget, P. (1972): Socio-economic Models in Geography, Mathuen and Co., London
- 6. Lloyd P. and Dicken, B. (1972): Location in Space: A Theoretical Approach to Economic Geography, Harper and Row, New York
- 7. Monkhouse, F. J. and Wilkinson, H. R. (1971): Maps and Diagrams, Methuen and Co., London
- 8. King, C. A. M. (1966): Techniques in Geomorphology, Edward Arnold Ltd., London
- 9. Monkhouse, F. J. and Wilkinson, H. R. (1964): Maps and Diagrams: Their Compilation and Construction, Metheun and Co. Ltd., London
- 10. Strahler, A. N. (1964): Quantitative Geomorphology of Drainage Basins and Channel Networks, In: Handbook of Applied Hydrology, Ven Te Chow, Ed., Section 4-II, McGraw-Hill Book Company, New York
- 11. Miller, A. A. (1953): The Skin of the Earth, Methuen and Co. Ltd., London

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F. Y. B. A. Geography (2023 Course under NEP 2020)

Course Code: 23ArGeoU1401
Title of the Course: Geography of Tourism-I

Credits: 02 Total Lectures: 30

Objectives:

- 1) To acquaint the student's basic concepts of Geography & Tourism
- 2) To aware the students with the utility and application of Tourism
- 3) To help the students & society to understand the interrelationship between tourism and employment generation opportunities.
- 4) To understand the impact of tourism on Physical and Human Environments.

	Semester – I	Lectures
Chapter 1	Introduction to Tourism Geography	10
	A. Introduction and Definition	
	i. Introduction	
	ii. Definition of Tourism Geography, Tourists and Tourism	
	B. Nature of Tourism Geography	
	i. Uniqueness	
	ii. Diversity	
	iii. Recreational	
	iv. Dynamic	
	v. Interdisciplinary	
	vi. Non-Productive	
	vii. Seasonal	
	C. Scope of Tourism Geography	
	i. Tourism as a Basic Need of Mankind	
	ii. Tourism and Transportation	
	iii. Natural environment and Tourism	
	iv. Culture and Tourism	
	v. Religion and Tourism	
	D. Importance of Tourism	
Chapter 2	Concepts in Tourism	10
	A. Geo-Tourism	
	B. Agro- Tourism	
	C. Heritage Tourism	
	D. Adventure Tourism	
	E. Religious Tourism	
	F. Health Tourism	
	G. Sport Tourism	
	H. Eco-tourism	

Chapter 3	Classification of Tou	rism	10
	Classification Based	on:	
	A. Nationality:		
	i.	International	
	ii.	National	
	B. Travel Time:		
	i.	Long Haul	
	ii.	Short Haul	
	C. Travel Distance	e:	
	i.	Global	
	ii.	National	
	iii.	Regional	
	iv.	Local	
	D. Number of To	urists:	
	i.	Groups	
	ii.	Family Members	
	iii.	Individual	
	E. Purpose:		
	i.	Religious	
	ii.	Recreation	
	iii.	Heritage	
	iv.	Adventure	
	V.	Nature	
	vi.	Health	
	vii.	Sports	

Learning Outcomes:

- Students will understand the natural and manmade resources associated with tourism activity.
- 2. To understand different types and concepts in tourism.
- 3. To prepare for their employment opportunities in the field of tourism management planning and own agency.
- 4. To apply and understand various recent tourist agencies to manage world wide tourist destinations.
- 5. Appreciate the basic concepts and geographical parameters of tourism.
- 6. Acquire knowledge on the recent trends and patterns of tourism development in India and other countries.
- 7. To study the tourism motivating factors for pilgrimages, leisure, recreation, elements.

- 1. Robinson H.(1996): A Geography of Tourism
- 2. Bhatia A.K., Sterling Publisher Ltd., New Delhi: Tourism Development, Principles and Practices
- 3. S.N. Singh (1985): Geography of Tourism and Recreation
- 4. Douglas Pearce(1987) Tourism Today : A Geographical Analysis :
- 5. Mathiseson A. and Wall C, Logman, U.K: Tourism : Economic Physical and Social Impact:
- 6. Manoj Das India: A tourist Paradise
- 7. Maneet Kumar Tourism Today: An Indian Perspective
- 8. Hudman L.E. Geography of Travel and Tourism
- 9. Seth P.N (1985) Sterling Publisher Ltd., New Delhi Successful Tourism Management
- 10. Smith S.L.J: Tourism Analysis
- 11. Gupta V.K: Tourism of India
- 12. Kaul R.N, Sterline Publisher Ltd: Dynamics of Tourism
- 13. Shinde S.B, Phadke Prakashana Kolhapur 2: Geography of Tourism
- 14. Nagktode P.M., Prof. D.Pardhi. Vidya Prakashan Nagpur: Geography Tourism
- 15. Vitthal Gharpure., Pimplapure Publication Nagpur: Geography of Tourism.
- 16. Bhagwat A.V., MedhaJoshi.: Murlidhar Publication Pune: Geography of Tourism.
- 17. Dixit N.K, Vista International Publication Delhi: Tourism Geography.
- 18. Sharma A. (2008): Tourism Development, RBSA Publishers, Jaipur.
- 19. Thakur Meenakshi Thakur (2008): Ecotourism and Sustainbale Tourism, Omega Publications, New Delhi.
- 20. Gitanjali, Chaudhary, Gautam P.R., (2010): Tourism Geography, Centurian Press
- 21. Suryawanshi Rajendra (2012): Assessment of Potentials for Eco-tourism, Lambart Publication.

Modern College of Arts, Science and Commerce (Autonomous), Shivajinagar, Pune 05 F. Y. B. A. Geography

(2023 Course under NEP 2020) Course Code: 23ArGeoU1501

Title of the Course: Lab Course on Weather Instruments-I

Credits: 02 Course Objectives:

1. To acquire the knowledge of various elements of weather, weather observations and importance of weather forecasting

No. of Practical: 15

- 2. To acquaint the students with the weather instruments and their utility and applications in geographical phenomena.
- 3. To teach students how to collect and analyse the weather data by using basic weather instruments

	Semester -I	Practicals
Chapter 1	Introduction to weather	03
	A. Definition of weather	
	B. Elements of weather	
	C. Weather Observations:	
	i. Surface Observatories	
	ii. Space-Based Observations	
	D. Significance of weather forecasting	
Chapter 2	Weather instruments	10
	Mechanism, Functions and Uses	
	A. Measurement of temperature	
	i. Simple thermometer	
	ii. Maximum and minimum thermometer	
	iii. Thermograph	
	B. Measurement of humidity and precipitation	
	i. Dry and wet bulb thermometer	
	ii. Hygrograph	
	iii. Rain gauge	
Chapter 3	Weather Data Collection and Analysis	02
	A. Collection of weather data (temperature, humidity and	
	rainfall)	
	B. Preparation of report (Report should submit into the	
	department)	

Learning outcome:

1. Students will understand the basic concepts weather and importance of weather forecasting.

- 2. Students will be able to handle various weather instruments and understand its principles, functions and applications.
- 3. Students will familiarise with different types of weather observatories.
- 4. Students will be able to understand correlations of various weather elements with different geographical phenomenon.
- 5. The students will able to acquire skill of weather data collection and develop practical knowledge of analysing and processing weather data and report preparation.

- 1. Singh, G., 2005. Map work and practical geography. Vikas Publishing House Pvt. Ltd., New Delhi.
- 2. Monkhouse, F.J. and Wilkinson, H.R., 1971. Maps and Diagrams. Methuen and Co. Ltd., London. UK
- 3. Singh, L.R. and Singh, R., 1973. Map Work and Practical Geography, Central Book Depot, Allahabad.
- 4. Singh, R.L., 2005. Elements of Practical Geography. Kalyani Publishers, New Delhi.
- 5. Singh, R.L., and Dutt, P.K., 1968. Elements of Practical Geography, Students' Friends, Allahabad.

Modern College of Arts, science and commerce (Autonomous), Shivajinagar, Pune 05

F. Y. B. A. Geography

(2023 Course under NEP 2020)

Course Code: 23ArGeoU2101 Title of the course: Human Geography

Credits: 04 Total Lectures: 60

Objectives:

- 1. To introduce the students to the basic concepts in human geography.
- 2. To orient the students to the applications of the human geography.
- 3. To familiarise the students with different Geo-environmental problems.

	Semester - II	Lectures
Chapter 1	Introduction to Human Geography	15
	A. Meaning and Definitions of Human Geography	
	B. Nature and Scope of Human Geography	
	C. Branches of Human Geography	
	D. Contemporary issues in Human Geography	
Chapter 2	Population	16
	A. Factors affecting on distribution of population	
	B. Growth and distribution of world's population	
	C. Theory of demographic transition	
	D. Composition of Indian population (Age-sex ratio, literacy,	
	economic, marital)	
	E. Population as a resource	
Chapter 3	Settlements	12
	A. Types and patterns of rural settlements	
	B. Urbanization in India	
	C. Urban sprawl, Rural Urban fringe, Satellite towns	
Chapter 4	Economic Activities	17
	A. Types of Economic Activities:	
	i. Primary,	
	ii. Secondary,	
	iii. Tertiary,	
	iv. Quaternary	
	v. Quinary	
	B. Factors affecting on Economic Activities:	
	i. Physical	
	ii. Economical,	
	iii. Social,	
	iv. Cultural	
	v. Political	

Learning Outcomes:

- 1. Students will understand the basic concepts of in human geography.
- 2. Students will understand the applications of human geography.
- 3. Students will familiarise the different Geo-environmental problems.

- 1. Chandna, R.C. (2010) Population Geography, Kalyani Publisher.
- 2. Hassan, M.I. (2005) Population Geography, Rawat Publications, Jaipur
- 3. Daniel, P.A. and Hopkinson, M.F. (1989) The Geography of Settlement, Oliver & Boyd, London.
- 4. Musmade Arjun, Sonawane Amit and Jyotiram More, Population & Settlement Geography, (2015), Diamond Publication Pune.
- 5. Jyotiram More and Musmade Arjun(2015) Regional Geography of India. Diamond Publication Pune.
- 6. Johnston R; Gregory D, Pratt G. et al. (2008) The Dictionary of Human Geography, Blackwell Publication.
- 7. Jordan-Bychkov et al. (2006) The Human Mosaic: A Thematic Introduction to Cultural Geography. W. H. Freeman and Company, New York.
- 8. Kaushik, S.D. (2010) Manavi Bhugol, Rastogi Publication, Meerut.
- 9. Maurya, S.D. (2012) Manav Bhugol, Sharda Pustak Bhawan. Allahabad.
- 10. Sudeepta Adhikari (2016) Orient Blackswan PVT, New Delhi.
- Sumitra Ghosh (2015), Introduction of Settlement Geography. Orient Blackswan PVT Kolkaqta.
- 12. Ghosh B.N.: Fundamentals of Population Geography
- 13. Hussin M.: Human Geography 1994
- 14. Money D.S.: Human Geography
- 15. Robinson H.: Human Geography, 1976
- 16. Mishra & Puri: Indian Economy 2004
- 17. India-2008: Govt. of India
- 18. Hassan Mohammead I.: Population Geography, 2005
- 19. Bhende Asha & Kanitkar Tara: Principlas of Population studies
- 20. Perillouav: Human Geography, 1986
- 21. Singh, R.Y.: Geography of Settlement, 1998

- 22. Singh, Gopal: Mapwork& Practical Geography, 1999
- 23. Sawant S.B. Athavale A.S. and Musmade A H, Population Geography, Mehata publishing house, Pune
- 24. Chandana R.C.: Geography of Population, Kalyani Pub. Ludhayana 1988
- 25. S MUKHERJEE, UNDERSTANDING PHYSICAL GEOGRAPHY, ORIENT BLACKSWAN (PVT)LTD More & Devne: 2020, Introduction To Human Geography Nirali Publication, Pune
- 26. Perpillou A.V.: Human Geography, Longman, London-1986
- 27. V. Jagdale & P. G. Saptarshi: Human Geography (2007), Diamond Publication (Marathi)

Modern College of Arts, Science and Commerce (Autonomous), Shivajinagar, Pune 05

F. Y. B. A. Geography (2023 Course under NEP 2020)

Course Code: 23ArGeoU2102

Title of the Course: Lab Course on Human Geography

Credits: 02 Total Practicals: 15

Objectives:

- 1. To introduce the students to the basic concepts in Human Geography.
- 2. To ascertain the students to the applications of Human Geography.
- 3. The student will able to get appropriate technical knowledge with appropriate concepts.

		Semester – II	Practicals
Chapter 1	Populati	on Geography	15
	Populati		
	A.	Population Density	
	B.	Age-sex pyramid	
	C.	Population Growth Rate	
	D.	Population Projections	
	E.	Life Expectancy Ratio	
Chapter 2	Settleme	ent and Economic Geography	10
	Methods	for calculation Urban and Economic data	
	A.	Rank size rule	
	B.	Gravity model	
	C.	Gross National Income (GNI)	
Chapter 3	Field Stu	ıdy/Excursion	05
	A.	Reading of maps in the field	
	B.	Collection of population data and preparation of report	

Learning Outcomes:

Students will be able to: -

- 1. Understand the basic concepts in Human Geography.
- 2. Understand the formation of different human Indices in the field.

- 1. Dent B.D., 1999. Cartography: Thematic Map Design, (Vol. 1), McGraw Hill.
- 2. Gupta K.K and Tyagi V.C., 1992. Working with Maps, Survey of India, DST, New Delhi.

- 3. Mishra R.P. and Ramesh A., 1989. Fundamentals of Cartography, Concept Publishing.
- 4. Monkhouse, F.J. and Wilkinson, H.R., 1971. Maps and Diagrams. Methuen and Co. Ltd., London.
- 5. Pollard A.H. and Farhat Yusu: Demographic Techniques.
- 6. Robinson A., 1953. Elements of Cartography, John Wiley.
- 7. Singh, G., 2005. Map work and practical geography. Vikas Publishing House Pvt. Ltd., New Delhi
- 8. Singh, L.R. and Singh, R., 1973. Map work and practical geography, Central Book Allahabad
- 9. Steers, J.A., 1970.An Introduction to Study of Map Projections. University of London Press Ltd., London.
- 10. Siddhartha, K., 2006. Geography through maps, Kisalaya Publications Pvt. Ltd, Delhi
- 11. Singh, R.L., 2005. Elements of Practical Geography. Kalyani Publishers, New Delhi. India.
- 12. Singh R.L. and Singh R.P.B., 1999. Elements of Practical Geography, Kalyani Publishers.
- 13. Singh, R.L., and Dutt, P.K., 1968. Elements of practical geography, Students' Friends, Allahabad.

Modern College of Arts, Science and Commerce (Autonomous), Shivajinagar, Pune 05

F.Y.B.A. Geography (2023 Course under NEP 2020) Course Code: 23ArGeoU2301

Title of the Course: Environmental Geography

Total Lectures: 30

Credits: 02 Objectives:

1. To create the Environmental awareness amongst students.

- 2. To acquaint the students with fundamentals concepts of Environmental Geography.
- 3. To acquaint the students to past, present, and future utility and potentials of resources at regional, national, and global levels.
- 4. To make aware the students about problems of utilization and conservation in the view of Sustainable development.

	Semester - II	Lectures
Chapter 1	Introduction: Environmental Geography	08
	A. Meaning and Definitions of Environmental Geography	
	B. Nature and Scope of Environmental Geography	
	C. Types of Environment	
	D. Importance of Environmental Geography	
	E. Approaches to the study of Environmental Geography	
Chapter 2	Ecosystem	14
	A. Meaning, definitions and concept of the ecosystem.	
	B. Structure of Ecosystem (Biotic and Abiotic factors), Food	
	Chain, Tropic level, Food web and Energy flow	
	C. Types of ecosystem	
	D. Terrestrial Ecosystem: Equatorial Evergreen Forest,	
	Desert, Tundra	
	E. Aquatic Ecosystem: Pond Ecosystem	
Chapter 3	Biodiversity and its conservation	08
	A. Meaning, definition and concepts of biodiversity	
	B. Economic value and potential of biodiversity	
	C. Loss of biodiversity	
	D. Hotspots in India	
	E. Conservation of biodiversity	

Learning Outcomes:

- 10. Students will understand the basic concepts in Environmental geography.
- 11. Students will understand the concepts of sustainability.
- 12. To gain knowledge about biodiversity and its importance.
- 13. To obtained and create ability to develop awareness and responsibility for the environment.

- Miller G.T., 2004, Environmental Science Working with the Earth, Thomson Books Cole, Singapure
- 2. Saxena H.M., 2017, Environmental Geography (Ed III), Rawat Publicastions, Jaipur
- 3. Odum E.P. et al. 2005, Fundamentals of Ecology, Ceneage Learning, India
- 4. Sharma P.D.2015, Ecology and Environment, Rastogi Publications, Meerut
- 5. Kormondy, Edward J, 2012, Concept of Ecology, PHI Learning Pvt.Ltd, New Delhi
- 6. Singh R.B.(Eds) 2009, Biogeography and Biodiversity, Rawat Publications, Jaipur
- 7. Singh S, Prayag, 1997, Environment Geography, Pustak Bhawan, Allahabad
- 8. Chandana R.C.2002, Environmental Geography, Kalyani Publication, Ludhiana
- 9. Goudie A, 2001, The Nature of The Environment, Blackwell, Oxford
- 10. Gholap T. N., 2000, Environment Science, Nishikant Publications, Pune. (Marathi)
- 11. Choudhar A.H., & et. al., 2014, Disaster Management, Atharva Publication, Pune. (Marathi)
- 12. Musmade A. H., More J. C. 2014, Geography of Disaster Management, Diamond Publication, Pune. (Marathi)
- 13. Saptarshi P. G., More J. C., Ugale V. R., 2009, Geography and Natural Hazads, Diamond Publishing, Pune. (Marathi)

Modern College of Arts, Science and Commerce (Autonomous), Shivajinagar, Pune 05

F. Y. B. A. Geography (2023 Course under NEP 2020)

Course Code: 23ArGeoU2401
Title of the Course: Geography of Tourism-II

No. of Credits: 02 Total Lectures: 30

Objectives:

- 1) To acquaint the student's basic concepts of Geography & Tourism
- 2) To aware the students with the utility and application of Tourism
- 3) To help the students & society to understand the interrelationship between tourism and employment generation opportunities.
- 4) To understand the impact of tourism on Physical and Human Environments.

	Semester – II	Lectures	
Chapter 1	Determinants of Tourism Development	10	
	A. Physical		
	i. Relief		
	ii. Climate		
	iii. Forest		
	B. Socio-Cultural		
	i. Religious		
	ii. Historical		
	iii. Sports		
	C. Political		
	i) Policies		
	ii) Safety of Tourists		
	iii) Accessibility		
Chapter 2	Role of Infrastructure in Tourism Development	10	
	A. Mode of Transportation:		
	i. Road		
	ii. Rail		
	iii. Water		
	iv. Air		
	B. Communication:		
	i. Role of Guide in tourism development		
	ii. Internet/Telephone/Mobile/TV		
	iii. Electronic and Printing Media		
	C. Travel and Tourism Agencies		
Chapter 3	Accommodation	10	
	Types of Accommodation		
	A. Private: Hotels, motels, Inn		
	B. Govt. accommodation: Tourist home, Guest House, Rest		
	house, Youth Hostel, Tents, Caravans and Bed & Breakfast		
	C. Rail Yatri bhavan		
	D. House boats		

E. Dharmashala

Learning Outcomes:

- Students will understand the natural and manmade resources associated with tourism activity.
- 2. To understand different types and concepts in tourism.
- To prepare for their employment opportunities in the field of tourism management planning and own agency.
- 4. To apply and understand various recent tourist agencies to manage world wide tourist destinations.
- 5. Appreciate the basic concepts and geographical parameters of tourism.
- 6. Acquire knowledge on the recent trends and patterns of tourism development in India and other countries.
- 7. To study the tourism motivating factors for pilgrimages, leisure, recreation, elements.

- 1. Robinson H.(1996): A Geography of Tourism
- 2. Bhatia A.K., Sterling Publisher Ltd., New Delhi: Tourism Development, Principles and Practices
- 3. S.N. Singh (1985): Geography of Tourism and Recreation
- 4. Douglas Pearce (1987) Tourism Today: A Geographical Analysis
- Mathiseson A. and Wall C, Logman, U.K: Tourism: Economic Physical and Social Impact:
- 6. Manoj Das India: A tourist Paradise
- 7. Maneet Kumar Tourism Today: An Indian Perspective
- 8. Hudman L.E. Geography of Travel and Tourism
- 9. Seth P.N (1985) Sterling Publisher Ltd., New Delhi Successful Tourism Management
- 10. Smith S.L.J: Tourism Analysis
- 11. Gupta V.K: Tourism of India
- 12. Kaul R.N, Sterline Publisher Ltd: Dynamics of Tourism
- 13. Shinde S.B, Phadke Prakashana Kolhapur 2: Geography of Tourism
- 14. Nagktode P.M., Prof. D.Pardhi. Vidya PrakashanNagpur : Geography Tourism
- 15. Vitthal Gharpure., Pimplapure Publication Nagpur: Geography of Tourism.

- 16. Bhagwat A.V.., MedhaJoshi.:Murlidhar Publication Pune :Geography of Tourism.
- 17. Dixit N.K, Vista International Publication Delhi: Tourism Geography.
- 18. Sharma A. (2008): Tourism Development, RBSA Publishers, Jaipur.
- 19. Thakur Meenakshi Thakur (2008) : Ecotourism and Sustainbale Tourism, Omega Publications, New Delhi.
- 20. Gitanjali, Chaudhary, Gautam P.R., (2010): Tourism Geography, Centurian Press
- 21. Suryawanshi Rajendra (2012): Assessment of Potentials for Eco-tourism, Lambart Publication.

Modern College of Arts, Science and Commerce (Autonomous), Shivajinagar, Pune 05

F. Y. B. A. Geography (2023 Course under NEP 2020)

Course Code: 23ArGeoU2501
Title of the Course: Lab Course on Weather Instruments-II

Credits: 02 No. of Practical: 15 Course Objectives:

- 1. To acquaint the students with the weather instruments and their utility and applications in geographical phenomena.
- 2. To teach students how to collect weather data, analyse and prepare report on it
- 3. To acquire the knowledge of isobaric patterns and associated weather conditions.

	Semester -II	Practicals
Chapter 1	Weather Instruments	08
	Mechanism, Functions and Usages	
	A. Measurement of air pressure	
	i. Aneroid barometer	
	ii. Barograph	
	B. Wind Direction and Velocity	
	i. Wind Vane	
	ii. Cup Anemometer	
Chapter 2	Isobaric pattern	04
	A. Definition of isobar	
	B. Drawing of isobaric patterns and associated weather	
	i. Cyclone	
	ii. Anticyclone	
	iii. Ridge	
	iv. Trough	
	v. Wedge	
	vi. Secondary depression	
	vii. Col	
Chapter 3	Weather Report	03
	A. Collection of weather data (air pressure, wind direction and	
	velocity),	
	B. Analysis and preparation of report.	

Learning outcome:

- 1. Students will be able to handle various weather instruments and understand its principles/functions and applications.
- 2. Students will aware of the drawing technique of basic pattern of isobars and associated weather conditions.

- 3. Students will understand correlations between various weather elements and different geographical phenomenon.
- 4. The students will able to acquire skill of weather data collection and develop practical knowledge of analysing and processing weather data and report preparation.

- 1. Singh, G., 2005. Map work and practical geography. Vikas Publishing House Pvt. Ltd., New Delhi.
- Monkhouse, F.J. and Wilkinson, H.R., 1971. Maps and Diagrams. Methuen and Co. Ltd., London. UK
- 3. Singh, L.R. and Singh, R., 1973. Map Work and Practical Geography, Central Book Depot, Allahabad.
- 4. Singh, R.L., 2005. Elements of Practical Geography. Kalyani Publishers, New Delhi.
- 5. Singh, R.L., and Dutt, P.K., 1968. Elements of Practical Geography, Students' Friends, Allahabad.