Shiv Chhatrapati Shikshan Sanstha's

Rajarshi Shahu Mahavidyalaya, Latur

(Autonomous)

Structure and Curriculum of Four Year Multidisciplinary Degree (Honors/Research) Programme with Multiple Entry and Exit option

Undergraduate Programme of Humanities and Social Sciences

M.A. (Honors/Research) in Geography

Board of Studies

in

Geography

Rajarshi Shahu Mahavidyalaya, Latur

(Autonomous)

w.e.f. June, 2023

(In accordance with NEP-2020)

Review Statement

The NEP Cell reviewed the Curriculum of **M.A./M.Com./M.Sc. (Honors/Research/Degree) in Geography** Programme to be effective from the **Academic Year 2023-24.** It was found that, the structure is as per the NEP-2020 guidelines of Govt. of Maharashtra.

Date: 09/08/2023

Place: Latur

NEP Cell
Rajarshi Shahu Mahavidyalaya, Latur
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CERTIFICATE

I hereby certify that the documents attached are the Bonafide copies of the curriculum of **M.A. (Honors/Research) in Geography** Programme to be effective from the academic year 2023-24.

Date: 10.08.2023

Place: Latur

(Prof. S.J. Phule)

Chairperson

Board of Studies in Geography

Rajarshi Shahu Mahavidyalaya, Latur

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Members of Board of Studies in the Subject Geography

Under the Faculty of Humanities and Social Sciences

Sr. No.	Name	Designation	In position
01.	**Prof. S.J. Phule** Head, Department of Geography Rajarshi Shahu Mahavidyalaya (Autonomous), Latur	Chairperson	HoD
02.	**Dr. Sunita Shinde** Department of Geography Smt. Sushiladevi Mahila Mahavidyalaya, Latur	Member	V. C. Nominee
03.	**Prof. A. Balakishan** Department of Geography Osmania University, Hyderabad	Member	Academic Council Nominee
04.	**Dr. S.D. Akhare** S.G university, Amaravati	Member	Academic Council Nominee
05.	**Dr. J.B. Sapkale** Shivaji University, Kolhapur	Member	Expert from outside for Special Course
06.	**Mr. Venkatesh Pawar** Director, Sahyadri Tour, Latur	Member	Expert from Industries
07.	**Mr. B.R. Borade** GIS Analyst, Deduce Technology, Bongalore	Member	P.G. Alumnus
08.	**Prof. O.V. Shahapurkar**	Member	Faculty Member
09.	**Mr. D.B. Sonkamble**	Member	Faculty Member
10.	**Dr. V.J. Dalvi**	Member	Faculty Member
11.	**Dr. K.B. Shinde**	Member	Faculty Member
12.	**Dr. A.A. Yadav**	Member	Member From Same Faculty

From the Desk of the Chairperson…

The BoS is designed to emphasize the teaching learning process at the B.A./M.A. level to Sensitize and train the students to develop a sound and systematic approach regarding mechanism and processes of natural and human activities. The focus is to help the students to understand the latest tools and techniques, which would help in giving focused and precise understanding of Geographical phenomenon. The purpose is to enhance the capability of the students is perceiving, creating and analyzing sound geographical bases and concepts.

This syllabus is designed to emphasize the teaching and learning process at the undergraduate (B.A./M.A.) from teacher centric to student centric by strengthening the quality of teaching and learning in the present day real life scenario of global, regional and local level. It is considered learning as an activity of creativity of innovations and analyzing geographical phenomena. The BoS of Geography prepared the major learning outcomes, which would help the students to understand and critically analyze various dimensions of the geographical issues.

According to The NEP-2020 we have include environment education such as pollution, conservation of biological diversity, management of biological resource and biodiversity. Forest and wildlife conservation and sustainable development etc.

As the chairman board of studies in Geography, Rajarshi Shahu Mahavidyalaya (Autonomous), Latur happy to state here that the programme Specific Outcomes have been finalized in the meeting of all the members board of studies.

The following objectives would be achieved:

1. To orient the students towards identification and analysis of various facts of geographical features and processes.
2. To develop students aptitude for acquiring basic skills of carrying out field work.
3. To facilitate the students to learn skills of map making.
4. To guide students to learn the science and art of collecting, processing and interpreting the data.
5. To expose the students to the use of the updated technologies of remote sensing, Geographical Information System (GIS)

   As the chairman of the Board of Studies, I strongly believe that, the framed syllabus will definitely meet the need of the students at present.

(Prof. S.J. Phule)
Chairperson
Board of Studies in Geography

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PG Skeleton in Accordance with NEP-2020
Illustrative Credit Distribution Structure for Two Years/ One Year PG (M.A./M.Sc./M. Com)

Year (2 Year PG) Level	**Sem**	**Major 24-28(22-26)per sem 46-56 for two years**		**RM**	**OJT/FP**	**RP**	**Cum.Cr**	**Marks**	**Degree**
		Mandatory	**Elective**						
I **6.0**	**I**	Major I 4 Cr Geomorphology Major II 4 Cr Climatology 4Cr Lab Course-I	MEC I 4 Cr Oceanography **OR** Geography of Tourism	Research Methodology 4 Cr	*NA*	*NA*	20 Cr	Theory: 01 Cr. = 25 M. Lab Course 01 Cr. = 50 M.	**PG Diploma (After 03 Year UG Degree)**
	II	Major III 4 Cr Economic Geography Major IV 4 Cr Urban Geography 4Cr Lab Course-II	MEC II 4 Cr Political Geography **OR** Fundamental of Natural Disaster	*NA*	Field Project – I 4Cr	*NA*	20 Cr	FP: 01 Cr. = 25 M.	
	Total	**Major 24 Cr**	**MEC 08 Cr**	**RMC 04 Cr**	**FP 04 Cr**	**NA**	**40 Cr**		

Abbreviations:

1. **MEC : Major Elective Course**
2. **RMC : Research Methodology Course**
3. **OJT : On Job Training (Internship/Apprenticeship)**
4. **FP : Field Project**
5. **RP : Research Project**
6. **Cum.Cr : Cumulative Credit**

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Faculty of Humanities, Major in Geography **DSC**

Post Graduate -First Year Programme of Semester I *(Level 6)* *Teaching Scheme*

	Course Code	Course Name	Credits Assigned			Teaching Scheme (Hrs./ week)		
			Theory	Practical	Total	Theory	Practical	Total
Major		Geomorphology	04	--	**04**	04	----	**04**
		Climatology	04	---	**04**	04	----	**04**
		Lab Course-I	----	04	**04**	----	08	**08**
Major -Electives		Oceanography OR Geography of Tourism	04	--	**04**	04	---	**04**
Research Methodology		Research Methodology	04	----	**04**	04	-----	**04**
Total Credits			**16**	**04**	**20**	**16**	**08**	**24**

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Faculty of Humanities, Major in Geography DSC

Post Graduate - First Year Programme, Semester II *(Level 6)* Teaching Scheme

	Course Code	Course Name	Credits Assigned			Teaching Scheme (Hrs./ week)		
			Theory	Practical	Total	Theory	Practical	Total
Major		Economic Geography	04	--	**04**	04	----	**04**
		Urban Geography	04	---	**04**	04	----	**04**
		La Course-II	----	04	**04**	----	08	**08**
Major Electives		Political Geography OR Fundamentals of Natural Disaster	04	--	**04**	04	---	**04**
Field Project		Field Project	04	----	**04**	04	-----	**04**
Total Credits			**16**	**04**	**20**	**16**	**08**	**24**

Year & Level	Semester	Course Code	Course Title	Credits	No. of Hrs.
6.0	I		Geomorphology	4 Cr	60
			Climatology	4 Cr	60
			Lab Course-I	4Cr	120
			Oceanography OR Geography of Tourism	4 Cr	60
			Research Methodology	4 Cr	60
	Total Credits			**20**	
	II		Economic Geography	4 Cr	60
			Urban Geography	4 Cr	60
			Political Geography OR Fundamentals of Natural Disaster	4 Cr	60
			Lab Course-II	4Cr	120
			Field Project	4 Cr	
	Total Credits			**20**	
Total Credits (Semester I & II)					

Programme Outcomes (POs) for M.A. Programme	
PO 1	
PO 2	
PO 3	
PO 4	
PO 5	
PO 6	
PO 7	

Programme Specific Outcomes (PSOs) for M.A. in Geography (Honors/Research)	
PSO No.	Upon completion of this programme the students will be able to
PSO 1	This specific programme will be helpful to the student for extract the knowledge of geographical aspects at local, regional, national and global level. e.g. topography, climate oceanic activities etc.
PSO 2	The students will understand how to the study of geographical elements around us.
PSO 3	The Student will be able to apply the Geographical Information Technology for Sustainable Development of the Nation.
PSO 4	The students will become competent to face various competitive examinations and build their career.
PSO 5	The students will have an advanced level understanding.
PSO 6	The students will enlarge their professional foundations through activities such as teaching, internships, and fellowships
PSO 7	The Students will be able to communicate scientific results in writing and in oral presentation.
PSO 8	The students will acquire the basic tools needed to carry out independent research.

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Department of Geography

Course Type: Major-I

Course Title: Geomorphology

Course Code:

Credits: 04 **Max.Marks:100** **Hours: 60**

Learning Objectives:

LO 1. To familiarize the students with the need for understanding of geomorphology with reference to certain fundamental concept.
LO 2. To understand the internal and external processes of landscape evolution.
LO 3. To sensitize the students background knowledge of geology and environmental science.
LO 4. To understand concept of region, geographical region and their types.

Course Outcomes:

After completion of course the student will be able to

CO 1. Increase ability to classify and describe landforms in variety of environmental setting.
CO 2. Analyze geomorphologic systems in terms of resisting and deriving force.
CO 3. Analyze relationship between physical and human aspects of environments and landscape.

Unit No.	Title of Unit & Contents	Hrs.
I	**Introduction to Geomorphology**	**15**
	i) Definition, nature and scope of Geomorphology ii) Fundamental concepts in Geomorphology	
	Unit Outcomes: UO1. To familiarize the students with the need for understanding of geomorphology with reference to certain fundamental concept	
II	**Endogenic Processes**	**15**
	i) Slow movements – vertical and horizontal movements ii) Sudden movements – Earthquake and Volcanoes	
	Unit Outcomes: UO 1. To understand the internal and external processes of landscape evolution.	
III	**Exogenic Processes**	**15**
	i) Fluvial ii) Arid iii) Glacial iv) Karst v) Coastal	
	Unit Outcomes: UO 1. To sensitize the students background knowledge of geology	

	and environmental science.	
IV	**Theories**	**15**
	i) Wegner's continental drift theory ii) ii) Plate tectonics	
	Unit Outcomes: UO 1. To understand concept of region, geographical region and their types.	

Learning Resources:

1. Spatial Analysis in Geomorphology : Chorley, R.J., Methuen, London, 1972.
2. Encyclopedia of Geomorphology:Fairbridge, R.W, Reinholdts, New York, 1968.
3. The Origin of Landscape – A Synthesis of Geomorphology : Garner, H.F., Oxford University Press, London, 1974.
4. Weathering, Longman : Ollier, C.D., London, 1979.
5. Introduction to Geomorphology : Pitty, A.F. , Methuen, London, 1971.
6. The Dynamic Earth : Skinner, B.J. & Porter, S.C., John Wiley, New York, 1995.
7. Perspectives in Geomorphology : Sparks, H.S.(ed.), Concept, New Delhi, 1980.
8. Geomorphology : Singh, S., Prayag Publication, Allahabad, 1998.
9. Principles of Geomorphology : Thornbury, W.D., John Wiley, New York, 1960.

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Department of Geography

Course Type: Major-II

Course Title: Climatology

Course Code:

Credits: 04 **Max.Marks:100** **Hours: 60**

Learning Objectives:

LO 1. Understand the Weather and Climate Phenomenon.
LO 2. Gain knowledge about Atmospheric Pressure and Winds System.
LO 3. Acquire knowledge about Evaporation, Humanity and Precipitation.
LO 4. Aware about global warming and climate change.

Course Outcomes:

After completion of course the student will be able to

CO 1. Understand the weather and climatic phenomena
CO 2. Explain weather and climatic phenomena.
CO 3. Aware about global warming and climate change.

Unit No.	Title of Unit & Contents	Hrs.
I	**Introduction**	**15**
	i) Nature and scope of climatology ii) Composition and structure of the atmosphere iii) Temperature, Factors affecting on distribution of temperature, vertical and horizontal distribution of temperature, heat balance of the earth.	
	Unit Outcomes: UO 1. Understand the Weather and Climate Phenomenon.	
II	**Atmospheric Pressure and Winds**	**15**
	i) Atmospheric pressure, vertical and horizontal distribution of pressure, pressure Belts. ii) Winds, types of winds	
	Unit Outcomes: UO 1. Gain knowledge about Atmospheric Pressure and Winds System.	
III	**Atmospheric Moisture**	**15**
	i) Evaporation and Humidity. ii) Condensation and Precipitation.	

	Unit Outcomes: UO 1. Acquire knowledge about Evaporation, Humanity and Precipitation.	
IV	**Atmospheric Disturbances**	**15**
	i) El Nino and La Nina. ii)Global warming and Climate change	
	Unit Outcomes: UO 1. Aware about global warming and climate change.	

Learning Resources:

1. Atmosphere, Weather and Climate : Barry, R.G. and Chorley P.J., Routiedge, London and New York, 1998.
2. General Climatology : Critchfied, J.H., Prentice Hall, India, New Delhi, 1993.
3. Monsoons : Das, P.K., National Book Trust, New Delhi, 1987.
4. Climatology: Lal, D.S. , ShardaPustakBhavan, Allahabad.
5. Introduction to Meteorology : Peterson, S. , McGraw hill book, London, 1969.
6. Contemporary Climatology : Robinson, P.J. and Henderson S., Henlow, 1999.
7. Applied Climatology : Thompson, R.D. and Perry, A. (ed.), Principles and Practice, Routledge, London, 1997.
8. हवामानशास्त्र आणि सागर विज्ञान : शेटे ,एस .टी:, अभिजित पब्लिकेशन ,लातूर.

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Course Type: Lab Course-I

Course Title: Lab Course

Course Code:

Credits: 04 **Max.Marks:100** **Hours: 120**

Learning Objectives:

LO 1. To familiarize how topographic, cadastral maps of any area to be prepared to enhance the skill.
LO 2. In the field of survey, students should understand the principles of map making.
LO 3. Enhance the of Cartography.
LO 4. Acquire knowledge of first hand data collection.

Course Outcomes:

After completion of course the student will be able to

CO1. Learn the basics of topographical and cadastral maps, and their interpretation.
CO2. Enhance the skill of field survey.
CO3. Understand the methods of slope analysis.

Unit No.	Title of Unit & Contents	Hrs.
I	**Profile & Slope Methods**	30
	i) Profile –Serial, Superimposed, Projected Composite ii) Slope- Methods of measurements of slopes i) Degree ii) Gradient iii) Percentage iv) Mills iii) Methods of slope analysis i) C.K. Wentworth's method ii) G.H.Smith' Method iii) Robinson's Dot method	
	Unit Outcomes: UO 1. To familiarize how topographic, cadastral maps of any area to be prepared to enhance the skill.	
II	**Interpretation of topographical maps**	30
	i) Interpretation of topographical maps of coastal, mountainous, arid and plain regions of India and foreign countries.	
	Unit Outcomes: UO 1. In the field of survey, students should understand the principles of map making.	
III	**Representation of Climatic Data**	30
	i) Drawing of Isolines ii) Ergograph iii) Climatograph iv) Wind rose, octagonal wind rose, star diagram v) Rainfall dispersion diagram	
	Unit Outcomes: UO 1. Enhance the of Cartography.	

IV	**Field Visit**	**30**
	i) Visit to geographically Important Locations ii) Preparation and submission of field visit report	
	Unit Outcomes: UO 1. Acquire knowledge of firsthand data collection.	

Learning Resources:

1. PrayogikBhoogol : Sharma, J.P., Rastogi Publication, Merath.
2. Fundamentals of Cartography : Misra, R.P. , Concept Publishing, New Delhi.
3. Elements of Cartography : Robinson, A.H. et al. , John Wiley and Sons, USA.1995.
4. Practical Geography- A Systematic Approach : Sarkar, A.K. , Orient Longman, Culcutta. 1997.
5. Elements of Practical Geography : Singh, R.L. and Dutt, P.K. , Kalllyani Publishers, New Delhi. 1979.

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Department of Geography

Course Type: Major Elective-I

Course Title: Oceanography
Course Code:

Credits: 04 **Max.Marks:100** **Hours: 60**

Learning Objectives:

LO 1. Student aware about the physical and chemical properties of ocean.
LO 2. To familiarize the student with oceanic circulations.
LO 3. To understand the coastal processes and diversified resources the ocean hold.
LO 4. Students know about the Biological Mineral and Energy Resource.

Course Outcomes:

After completion of course the student will be able to

CO 1. Understand the basic concepts, processes and analytic tools of science of oceanography.
CO 2. Expose students about the chemistry of ocean water, principles of motion of ocean circulation.
CO 3. Evaluate and articulate the application and relevance of specific oceanographic topics to
CO 4. The world around them at a personal, community and global level.

Unit No.	Title of Unit & Contents	Hrs.
I	**Introduction to oceanography**	**15**
	i) Definition, nature and scope of oceanography. ii) Nature of ocean floor-continental shelf, continental slope, deep ocean basin and trenches. iii) Bottom topography of the Atlantic, Pacific and Indian Oceans	
	Unit Outcomes: UO 1. Student aware about the physical and chemical properties of ocean.	
II	**Physical and Chemical Properties of Ocean**	**15**
	i) Distribution of Temperature. ii) Distribution of Salinity.	
	Unit Outcomes: UO 1. To familiarize the student with oceanic circulations.	
III	**Oceanic Circulation**	**15**
	i) Waves ii) Tides iii) Ocean currents	
	Unit Outcomes: UO 1. To understand the coastal processes and diversified resources	

	the ocean hold.	
IV	**Marine Deposits and Resources**	**15**
	i) Marine deposits – classification of deposits. ii) Biological Resources. iii) Mineral and Energy Resources.	
	Unit Outcomes: UO 1. Students know about the Biological Mineral and Energy Resource.	

Learning Resources:

1. The World Oceans –An introduction to Oceanography : Anikouchine, W.A. and Sternberg, R.W., Englewood Cliffs, N.J. 1973.
2. General Oceanography – An Introduction : Grald, S., John Wiley and Sons, New York, 1980.
3. Oceanography : Garrison, T., Wadsworth.com, USA 1998.
4. Beaches and Coasts : King, C.A.M., E. Arnold, London, 1972.
5. Oceanography for Geographers : King, C.A.M. ,E. Arnold, London, 1975.

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Department of Geography

Course Type: Major Elective-I
Course Title: Geography of Tourism OR
Course Code:

Credits: 04 **Max.Marks:100** **Hours: 60**

Learning Objectives:

LO 1. Contextualize tourism within broader physical, cultural, environmental, and economic dimensions of society.
LO 2. Critique tourism practices for their implications locally and globally.
LO 3. Interpret and evaluate tourism as a phenomenon and as a business system
LO 4. Plan, lead, organize and control resources for effective and efficient tourism

Course Outcomes:

After completion of course the student will be able to

CO 1. To elucidate the basic concepts, and assess different forms of tourism
CO 2. To identify role of geography along with economic, social, and environmental importance of tourism industry
CO 3. To provide skills in terms of tourism management, environmental preservation, and conservation

Unit No.	Title of Unit & Contents	Hrs.
I	**Introduction to Tourism**	**15**
	i) Scope and Content of Tourism Geography. ii) Economic and Social significance of tourism. iii) Tourism Components**:** Accessibility, Accommodation, Attraction, Motivation Seasonality. iv) Impacts of Tourism on Cultural, Socio- Economic, Physical & Environment. v) Effects of Tourism on employment and Development of Infrastructure. vi) Tourism as a foreign exchange earner.	
	Unit Outcomes: UO 1. Contextualize tourism within broader physical, cultural, environmental, and economic dimensions of society.	
II	**Types of Tourism**	**15**
	i) Types of Tourism: Religious, Cultural, Historical, Recreational, Hills, Coastal, and Ecological Tourism ii) Robinson's classifications of Tourism. iii) Forms and Types of Tourism: Domestic, Business National an International tourism. iv) New Forms of Tourism: Adventure Tourism, Green Tourism, Eco tourism, MICE Tourism,Soft Tourism, Sports Tourism an	

	tourism.	
	Unit Outcomes: UO 1. Critique tourism practices for their implications locally and globally.	
III	**Tourism Management & Planning:**	**15**
	i) Tourism Management – Objective, Strategies and Types of Tourism Management. ii) Tourism Planning Programmes and Process. iii) Types of Tourism Planning : Sectoral, Spatial, Integrated, Complex, Centralized and Decentralized. iv) Tourism Demand: Determinants and Measurement - Cost benefit analysis -Multiplier effect. v) Role of Public and Private sectors in the development of Tourism.	
	Unit Outcomes: UO 1. Interpret and evaluate tourism as a phenomenon and as a business system	
IV	**Tourism development in India**	**15**
	i) Tourism development in India. ii) Tourism development in Karnataka. iii) Tourism and Environmental management - Sustainable T ourism Management, Wildlife Management, Environmental Preservation and Conservation. iv) Community Involvement and participation	
	Unit Outcomes: UO 1. Plan, lead, organize and control resources for effective and efficient tourism	

Learning Resources:

1. "Principles of Tourism": Swain and Mishra (2011), Oxford University Press, New Delhi
2. "Tourism Development: Principles and Strategies,: A.K.Bhatia,(2012) ,Sterling Publishers, New Delhi
3. An Introduction to the Geography of Tourism, : Velvet Nelson (2013) –Rowman & Littlefield Publishers
4. "Fundamentals of Travel and Tourism": Ballabh, A (2005), , Akansha Publishing House, NewDelhi
5. "Tourism Systems": Mill, and Morisson, (2006), Kendal Publications, Dubuque.
6. Tourism Geography : Stephen Williams (1998) –, Routledge, London
7. Tourism Management : P.C.Sinha, (2010), Anmol Publications Private, Ltd
8. Tourism Management : Romila Chawla,(2003), Sonali Publications Private, Ltd.
9. Tourism Management : Parul Gupta, (2011), Global India Publications Private, Ltd
10. Tourism Geography : Dixit N.K. (2010), Vista International Publishing
11. An Introduction to the Geography of Tourism : Velvet Nelson (2013), Rowman & Littlefield
12. Tourism Dimensions : S K Tiwari (1994), Atmaram Publisher New-Delhi.
13. A Geography of Tourism : Robinson H (1996), Macdonald and Evans- Londan.

Websites:

1. https://tourism.gov.in/
2. https://www.incredibleindia.org/content/incredibleindia/en.html
3. https://www.karnatakatourism.org/
4. https://saathi.qcin.org/
5. https://nidhi.nic.in/HotelDivision/Default.aspx

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Department of Geography

Course Type: RM

Course Title: Research Methodology

Course Code:

Credits: 04 **Max.Marks:100** **Hours: 60**

Learning Objectives:

LO 1. To make the students familiar with the elements of basic research procedure.
LO 2. Acquired geographical Knowledge and examine the contemporary issues.
LO 3. Acquire to skill in qualitative and quantitative methods.
LO 4. To students will be able to preparation of research report.

Course Outcomes:

After completion of course the student will be able to

CO 1. Apply the research methods in geographical analysis.
CO 2. Design and articulate a geographical research proposal.
CO 3. Enhance the ability to choose appropriate method/s to answer a research question.
CO 4. Adopt the practical skills in quantitative and qualitative methods.

Unit No.	Title of Unit & Contents	Hrs.
I	**Introduction**	15
	i) Science and Research ii) Meaning of Research iii) Types of Research	
	Unit Outcomes: UO 1. To make the students familiar with the elements of basic research procedure.	
II	**Approaches, Problem and Hypothesis**	15
	i) Approaches of Research ii) Research Problem iii) Hypothesis	
	Unit Outcomes: UO 1. Acquired geographical Knowledge and examine the contemporary issues.	
III	**Methods of Data Collection**	15

	i) Types of Data and Data Collection ii) Sampling iii) Processing and Analysis of Data	
	Unit Outcomes: UO 1. Acquire to skill in qualitative and quantitative methods.	
IV	**Methods of Data Analysis & Report Writing and Evaluations**	**15**
	i) Research Report- Preparation of Draft, Contents, Quotations, Footnotes, References & Bibliography. ii) Role of Computer in Research.	
	Unit Outcomes: UO 1. To students will be able to preparation of research report.	

Learning Resources:

1. A mode for thesis of research paper Houghton : Balloy Stephen V.-, Mifflin, Bosten, New York-1970
2. Directions in Geography : Cohrly R.J.-, Mettenen.
3. Geographical Research & Writing : Durenberger.R.W.- New York, Thomas Y. Cromwelyd Co 1971.
4. A Modern synthesis : Haggett P.-Geography :- New York- Harper and row.
5. Methods of Social Survey and Research : Bajpai S. R. (1975), Kitabghar, Kanpur.
6. Theory and Practice in Social Research: Hans Raj (1988), Surjeet Publication, Kolhapur.
7. Methodology of Research in Social Science :Krishnaswami O. R. (1988), Himalaya Pub. House.
8. Quantitative Technique : Kothari, C. R. (2005), New Delhi, Vikas Publication House.
9. Development of Research tools : Gautam, N. C. (2004), New Delhi, Shree Publishers.
10. Research Methodology and Statistical Techniques : Gupta, Santosh (2005), Deep and Deep Publications.
11. Style Manual : Chandera A. and Sexena T. P. (2000), New Delhi, Metropolitan Book Comp. Ltd.
12. Theories of Knowledge : Shukla, J. J. (1999), Ahmadabad, Karnavati Publication. Bhattacharya,
13. Research Methodology : D. K. (2004), New Delhi, Excel Books.