



॥ सा विद्या या विमुक्तये ॥

स्वामी रामानंद तीर्थ मराठवाडा विद्यापीठ, नांदेड

'ज्ञानतीर्थ', विष्णुपुरी, नांदेड - ४३१ ६०६ (महाराष्ट्र राज्य) भारत

SWAMI RAMANAND TEERTH MARATHWADA UNIVERSITY, NANDED

'Dnyanteerth', Vishnupuri, Nanded - 431 606 (Maharashtra State) INDIA

Established on 17th September, 1994, Recognized By the UGC U/s 2(f) and 12(B), NAAC Re-credited with 'B++' grade

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मानवविज्ञान विद्याशाखे अंतर्गत राष्ट्रीय शैक्षणिक धोरणानुसार पदव्युत्तर स्तरावरील प्रथम वर्षाचे अभ्यासक्रम शैक्षणिक वर्ष २०२३-२४ पासून लागू करण्याबाबत.

परिपत्रक

संदर्भ:- १. जा.क्र.शौ-१/एनईपी२०२०/मानवविज्ञान-अक- / २०२३-२४/१३२ दिनांक ०६/०७/२०२३.

२. जा.क्र.शौ-१/एनईपी२०२०/मानवविज्ञान-अक- / २०२३-२४/१२९ दिनांक ३०/०६/२०२३.

या परिपत्रकान्वये सर्व संबंधितांना कळविण्यात येते की, संदर्भाय परिपत्रकान्वये दिनांक १६ जून २०२३ रोजी संपन्न झालेल्या मा. विद्यापरिपदेच्या बैठकीतील एनवेळचा विषय क्र. ०७/५६-२०२३ अन्वये मान्यता दिल्यानुसार मानवविज्ञान विद्याशाखे अंतर्गत राष्ट्रीय शैक्षणिक धोरणानुसार अभ्यासक्रम शैक्षणिक वर्ष २०२३-२४ पासून लागू करण्यात आलेले आहेत. तथापी वरील संदर्भाय परिपत्रक १ व २ अन्वये प्रकाशित केलेल्या अभ्यासक्रमामध्ये अभ्यासमंडळानी किरकोळ दुरुस्ती करून अभ्यासक्रम सादर केले आहेत. त्यानुसार दुरुस्तीसह खालील अभ्यासक्रम लागू करण्यात येत आहेत.

1. M. A. Economics I year (Affiliated Colleges)
2. M. A. Geography I year (Affiliated Colleges)
3. M. A. Philosophy I year (Affiliated Colleges)
4. M. A. History I year (Affiliated Colleges)
5. M. A. Sanskrit I year (Affiliated Colleges)
6. M. A. Sociology I year (Affiliated Colleges)

सदरील परिपत्रक व अभ्यासक्रम प्रस्तुत विद्यापीठाच्या www.srtmun.ac.in या संकेतस्थळावर उपलब्ध आहेत. तरी सदरील बाब ही सर्व संबंधितांच्या निदर्शनास आणून द्यावी, ही विनंती.

'ज्ञानतीर्थ' परिसर,
विष्णुपुरी, नांदेड - ४३१ ६०६.
जा.क्र.:शैक्षणिक-१/परिपत्रक/ एनईपीपीजी/ मानवविज्ञानअक/
२०२३-२४/२३९
दिनांक : २३.०८.२०२३.



आपली विश्वासू
सहा.कुलसचिव
शैक्षणिक (१-अभ्यासमंडळ) विभाग

प्रत माहिती व पुढील कार्यवाहीस्तव :

- १) मा. अधिष्ठाता, मानवविज्ञान विद्याशाखा, प्रस्तुत विद्यापीठ.
- २) मा. संचालक, परीक्षा व मूल्यमापन मंडळ यांचे कार्यालय, प्रस्तुत विद्यापीठ.
- ३) मा. प्राचार्य, सर्व संबंधित महाविद्यालये, प्रस्तुत विद्यापीठ.
- ४) सिस्टम एक्सपर्ट, शैक्षणिक विभाग, प्रस्तुत विद्यापीठ. यानां देवून कळविण्यात येते की, सदरील परिपत्रक विद्यापीठाच्या संकेतस्थळावर प्रसिध्द करण्यात यावे.

**SWAMI RAMANAND TEERTH
MARATHWADA UNIVERSITY, NANDED**



**Structure and Syllabus of Two Years Multidisciplinary
Degree Program with Multiple Entry and Exit Option**

TWO YEAR MASTER DEGREE PROGRAMME

Major in Geography (DSC)

Under the Faculty of Humanities

(All Affiliated College)

Effective from Academic year 2023-2024

(As per NEP-2020)

From the Desk of Dean

NEP 2020 proposes a new and forward-looking vision for India's Higher Education System through quality universities and colleges. Its key is in the curriculum and its practical implementation.

The curriculum must be exciting, relevant, and regularly updated to align with the latest knowledge requirements and meet specified learning outcomes. Highquality pedagogy is necessary to impart the curricular material to students successfully; pedagogical practices determine the learning experiences provided to students, thus directly influencing learning outcomes. The assessment methods must be scientific, designed to improve learning continuously test the knowledge application.

The university's proper framing and development of syllabi will result in the upbringing and nourishment of multidisciplinary and holistic citizens. Emphasis is on outcome-based learning. Every course has well-defined objectives and outcomes. The assessment guidelines also provide clarity and precision to the vision behind prescribing the particular course content.

NEP foresees more vibrant, socially engaged, cooperative communities and a happier, cohesive, cultured, productive, innovative, progressive, and prosperous nation. The introduction of Research Methodology and ethics will widen the vision and broaden the perspectives of the learners.

Introducing Case Studies and Field Projects has created a unique opportunity for the higher education institute to bridge the gap between the academia, industry and the community NEP believes effective learning requires a comprehensive approach that involves an appropriate curriculum, engaging pedagogy, continuous formative assessment, and adequate student support.

We are sure that the Postgraduate centres of this university and its affiliated colleges will implement the course effectively and successfully, resulting in a healthy and more creative academic ambience.

Prof. Ajay Tengse,

Dean, Faculty of Humanities,

Dr. Vikas Sukale,

Asso. Dean, Faculty of Humanities,

Swami RamanandTeerth Marathwada University, Nanded.

From Desk of Chairman, Board of Studies of the Subject Geography

Preamble:

Geography is the study of places on Earth and their relationship with each other. Often the study of geography begins with one's home community and expands as a person gains greater experience. Thus, geography provides a conceptual link for children between home, school, and the world beyond.

Geography is one of the oldest earth sciences and its roots date back in the works of the early Greek scholars. The word 'geography' was first used by the Greek scholar Eratosthenes in the third century B.C. Geo "Earth" and Graphy "to describe" literal meaning of geography is to describe about the earth's surfaces. In other words, "Geography is largely the study of the interaction of all physical and human phenomena and landscapes created by such interactions." It is about how, why, and where human and natural activities occur and how these activities are interconnected.

Today the discipline is not only concerned with descriptions but also with analysis as well as prediction. Geographers study how people interact with the environment and with each other from place to place and they classify Earth into regions in order to draw generalizations about the complex world in which we live. Because it deals with where and how people live, geography is rich in material that relates to international understanding, multi-cultural concerns, and environmental education. The tools of geography help us understand places. To teach this subject at graduate and undergraduate level has become challenge for all the geography teachers due emerging new trends in this field. Geography helps student learn about the world. Knowing something about where places are and what they are like is important.

Geography contributes to international understanding the world's economies are increasingly linked into an international network of trade and exchange. If our competitors know more about us than we do about them, they have an advantage in serving our markets and negotiating trade agreements, and we are placed at a disadvantage in reaching their markets. Well - planned geography education at all grade levels will help to make us more aware of other countries and cultures and prepare our students to take their place in the world. Geography and citizenship Knowledge of geography helps us be better citizens. Through geography, we learn to locate important events. We can understand the relationship between geography and national or international policies and we can use geographical knowledge to make informed decisions regarding the best use of the nation's resources.

Finally, geographically informed students will be effective leaders for our country.

As the Chairman board of Studies in Geography, Swami RamanandTeerth Marathwada University, Nanded happy to state here that the programme objectives have been finalized in the meeting of all the members Board of Studies.

* To meet need and Importance of Geography at the present time.

* To prepare the students to enhance their abilities to develop the innovative approach.

*To cultivate the life skills with the help of Geography.

*To enable the students for the better understanding of Geography.

To generate the interest of students to contribute to expand their research skills.

Apart from the above objectives, the affiliated institute can add their own. 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

Dr.Apparao A. Kalgapure

Chairman, Board of Studies in Geography and Applied Geography

Swami RamanandTeerth Marathwada University,

Nanded



Swami Ramanand Teerth Marathwada University, Nanded

Members of the Board of Studies in the subject of GEOGRAPHY

Under the faculty of Humanities

Sr No	Name of the Member	Designation	Address with mail id	Contact No.
1	Dr.Apparao Annarao Kalgapure	<i>Chairman</i>	Shri.Havgiswami College, Udgir	9420215804
2	Dr.Avinash Sopanrao Kadam	<i>Member</i>	Member School of Earth Science (This University)	9975834724
3	Dr.Parag Arun Khadke	<i>Member</i>	Member School of Earth Science (This University)	9028774190
4	Dr.Bhagwat Namdev Pastapure	<i>Member</i>	Indira Gandhi Sr.College, Cidco Nanded	9403512340
5	Dr.Hanmant Dadarao Wagalgave	<i>Member</i>	Shivneri Mahavidyalaya, Shirur Anantpal	9673656114
6	Dr.Sadanand Hariba Gone	<i>Member</i>	Ujwal Gramin Mahavidyalaya, Ghonsi	9822145010
7	Dr.Bhagwan Prabhakar Rao Shendge	<i>Member</i>	B.Raghunath Mahavidyalaya, Parbhani	9158443555
8	Dr.Nitin Trimbakrao Deshmukh	<i>Member</i>	Mahatma Gandhi Mahavidyalaya, A.Pur	9423705446
9	Dr.Suresh Jyotiram Phule	<i>Member</i>	R.S. Mahavidyalaya, Latur (Autonomous)	9028666874
10	Dr.Vishnudas Ram Rathod	<i>Member</i>	Vasantrao Naik College, Vasarani Nanded	9423139319
11	Dr.B.Shrinaesh	<i>Member</i>	Osmania University, Hyderabad	9849269355
12	Dr.Anand Vijaykumar Walankikar	<i>Member</i>	V.D.M.College, Degloor	9422185102
13	Dr.Rajeshwar Balaji Kotalwar	<i>Member</i>	Rajiv Gandhi Mahavidyalaya, Mudkhed	9404760581
Invites Member				
14	Dr.Rajaram Dnyanoba Davankar	<i>Member</i>	Dr.B.A. Mahavidyalaya, Latur	7350393163
15	Dr.Manjunath.P.Manakari	<i>Member</i>	Udyagiri Mahavidyalaya, Udgir	7588874988
As per MUPA u/s 40(2) (d) (E) invite Member				
16	Khase Mahesh Trambak (UG students)	<i>Member</i>	Dayanand Ars College, Latur	
17	Shaikh Masira Sadad (PG students)	<i>Member</i>	Indira Gandhi Sr.College, Cidco Nanded	



Swami RamanandTeerth Marathwada University, Nanded
Faculty of Humanities, Major in GeographyDSC

Credit Framework of Two-Year PG Program for the faculty of Humanities

Year & Level 1	Sem. 2	Major Subject		RM 5	OJT / FP 6	Research Project 7	Credits 9	Total Credits 10
		(DSC) 3	(DSE) 4					
1	1	HGEOC 501 (4 Cr) Geomorphology HGEOC 502 (4 Cr) Economic Geography HGEOC 503 (4 Cr) Practical Geography 12 Credits	Elective HGEOE 501 (4 Cr) Urban Geography OR HGEOE 502 Political Geography 4 Credits	HGEOR 501 (4 Cr) <i>Research Methodology</i> 4 Credits	..	----	20	40
	2	HGEOC 551 (4 Cr) Climatology HGEOC 552 (4 Cr) Population Geography HGEOC 553 (4 Cr) Practical Geography 12 Credits	Elective HGEOE 551 (4 Cr) Environment Geography OR HGEOE 552 History of Geographical Thought 4 Credits	---	Field Project HGEOF 551 (4 Cr) 4 Credits	..	20	
Exit option: PG Diploma (after three-year Degree)								

Note: The BoS in Geography and Applied Geography retains the right to change the titles of the courses from semester III to IV

	3	HGEOC 601 (4 Cr) Oceanography HGEOC 602 (4 Cr) Settlement Geography HGEOC 603 (4 Cr) Practical Geography 12 Credits	Elective HGEOE 601 (4 Cr) Geography of India OR HGEOE 602 Geography of Health 4 Credits	--		Research Project (Field Survey) HGEORP 601 (4 Cr) 4 Credits	20	
	4	HGEOC 651 (4 Cr) Agriculture Geography HGEOC 652 (4 Cr) Geography of Regional Planning HGEOC 653 (2 Cr) Practical Geography 10 Credits	Elective HGEOE 651 (4 Cr) Geography of Maharashtra OR HGEOE 652 Social and Cultural Geography 4 Credits	---		Research Project HGEOR 651 (6Cr) 6Credits	20	40
Total Credits		46	16	04	04	10	80	



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	HGEOC501	Geomorphology	04	--	04	04	----	04
	HGEOC502	Economic Geography	04	---	04	04	----	04
	HGEOC503	Practical Geography	----	04	04	----	08	08
Major -Electives	HGEOE501	Urban Geography OR	04	--	04	04	---	04
	HGEOE502	Political Geography						
Research Methodology	HGEOR 501	Research Methodology	04	----	04	04	-----	04
Total Credits			16	04	20	16	08	24



Swami RamanandTeerth Marathwada University, Nanded

*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	HGEOC551	Climatology	04	--	04	04	----	04
	HGEOC552	Population Geography	04	---	04	04	----	04
	HGEOC553	Practical Geography	----	04	04	----	08	08
Major Electives	HGEOE551	Environment Geography						
	HGEOE552	OR History of Geographical Thought	04	--	04	04	---	04
Field Project	HGEOF551	Field Project	04	----	04	04	-----	04
Total Credits			16	04	20	16	08	24



Swami RamanandTeerth Marathwada University, Nanded
Faculty of Humanities, Major in GeographyDSC

Post Graduate First Year Programme, Semester I (Level 6)

Examination Scheme

[20% Continuous Assessment (CA) and 80% End Semester Examination (ESE)]

(For illustration we have considered a paper of 02 credits, 50 marks, need to be modified depending on credits of individual paper)

Subject (1)	Course Code (2)	Course Name (3)	Theory					Total Col. (6+7) / (09)
			Continuous Assessment (CA)			ESE		
			Test I (4)	Test II (5)	Assignment (6)	Avg of T1+T2+Assi. /3 (7)	Total (8)	
Major	HGEOC501	Geomorphology	20	20	20	20	80	100
	HGEOC502	Economic Geography	20	20	20	20	80	100
	HGEOC503	Practical Geography	20	20	20	20	80	100
Major -Electives	HGEOE501	Urban Geography OR	20	20	20	20	80	100
	HGEOE502	Political Geography						
Research Methodology	HGEOR501	Research Methodology	20	20	20	20	80	100



Swami Ramanand Teerth Marathwada University, Nanded
Faculty of Humanities, Major in Geography DSC

Post Graduate First Year Programme, Semester II (Level 6)
Examination Scheme

[20% Continuous Assessment (CA) and 80% End Semester Examination (ESE)]

(For illustration we have considered a paper of 02 credits, 50 marks, need to be modified depending on credits of individual paper)

Subject (1)	Course Code (2)	Course Name (3)	Theory					Total Col. (6+7) / (09)
			Continuous Assessment (CA)			ESE		
			Test I (4)	Test II (5)	Assignment (6)	Avg of T1+T2+Assi. /3 (7)	Total (8)	
Major	HGEOC551	Climatology	20	20	20	20	80	100
	HGEOC552	Population Geography	20	20	20	20	80	100
	HGEOC553	Practical Geography	20	20	20	20	80	100
Major -Electives	HGEOM551	Environment Geography	20	20	20	20	80	100
	HGEOM552	OR History of Geographical Thought						
Field Project	HGEOF551	Field Project	20	20	20	20	80	100



Swami Ramanand Teerth Marathwada University, Nanded

Under the Faculty of Humanities

SYLLABUS

GEOGRAPHY

M.A. FIRST YEAR

SEMESTER PATTERN

SEMESTER FIRST

Effective from Academic year 2023-2024

As per NEP-2020



Swami RamanandTeerth Marathwada University, Nanded
Faculty of Humanities Major in Geography (DSC)

Post Graduate -First Year Programme, Semester First

Paper Code: HGEOC 501 Paper Title: *Geomorphology (Major)*
Curriculum Details

Course pre-requisite:

1. Minimum 24 credits required in the subject Geography
2. Books, Maps, Globe, Models
3. ICT, Field Visit

Course objectives:

- To provide in depth knowledge about geomorphology
- To familiarize the students with the need for understanding of geomorphology with reference to certain fundamental concept.
- To understand the internal and external processes of landscape evolution.

Course outcomes:

Student will be able to

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

Swami RamanandTeerth Marathwada University, Nanded

Faculty of Humanities Major in Geography (DSC)

Paper Code: HGEOC501 Paper Title: *Geomorphology (Major)*

Curriculum Details: (for 4 Credits)

Module No.	Unit No.	Name of Topic	Hrs. Required to cover the contents 1 Hr.=60 Min.
1.0		Introduction	
	1.1	Definition, Nature and Scope of Geomorphology	12
	1.2	Fundamental Concepts in Geomorphology	
	1.3	Geomorphology and its Influence on – Settlement and Landuse	
	1.4	The place of Geomorphology in Physical Geography	
2.0		Interior of the earth and Earth Movements	
	2.1	Interior of the earth	12
	2.2	Epeirogenic Process-Causes and Effects	
	2.3	Orogenic Process- Causes and Effects	
	2.4	Sudden earth movement- Causes and Effects	
3.0		Theories	
	3.1	Wegner's Continental Drift Theory	12
	3.2	Isostasy Theory	
	3.3	Plate Tectonics Theory	
	3.4	Concept of Cycle of Erosion	
4.0		Exogenic Processes	
	4.1	Causes, Types and Classification of Weathering and Mass Movement	12
	4.2	Concept of Slope Evolution, Slope Decline Theory- W. M. Davis	
	4.3	Parallel Retreat Theory - L.C. King	
	4.4	Slope Replacement Theory – W. Penck	
5.0		Geomorphic Processes and Resulting Landforms	
	5.1	River	12
	5.2	Arid	
	5.3	Glacial	
	5.4	Coastal	
Total			60

Suggested Readings:

1. Chorley, R. J., Schumm, S. A. and Sugden, D. E. (1984): Geomorphology, Methuen, London.
2. Fairbridge, R. W. (1968): Encyclopedia of Geomorphology, Reinholdts, New York.
3. Garner, H.F.(1974): The Origin of Landscape – A Synthesis of Geomorphology, Oxford University Press, London.
4. Ollier, C.D.(1979): Weathering, Longman, London.
5. Pitty, A.F.(1971): Introduction to Geomorphology, Methuen, London.
6. Skinner, B.J. & Porter, S.C.(1995): The Dynamic Earth John Wiley, New York.
7. Sparks, H.S. (1980): Perspectives in Geomorphology, Concept, New Delhi.
8. Singh, S.(1998): Geomorphology, Prayag Publication, Allahabad.
9. Thornbury, W.D.(1960): Principles of Geomorphology, John Wiley, New York.
10. दातेवसौ. दाते (1992): प्राकृतिकभूगोल, विद्याप्रकाशन, नागपूर.
11. डॉ. सुरेशफुले (2002): भूरूपशास्त्र, विद्याभारतीप्रकाशन, लातूर
12. शेटे, फुले, शहापूरकर (1991): प्राकृतिकभूगोल. अभिजीतपब्लिकेशन, लातूर.
13. डॉ. विठ्ठलघारपुरे (2001): प्राकृतिकभूगोलाचीमूलतत्वे, पिंपळापुरेअँडकंपनीपब्लिसर्स, नागपूर.
14. डॉ. व्ही. टी. नाईक, प्राबी.आर. गुरुडे, प्रा. पी.डी.राठोड(2010): प्राकृतिकभूगोलाचीओळखआणि मूलतत्वे, कैलासपब्लिकेशनऔरंगपुरा, औरंगाबाद.
15. प्राबालाजी.आर. गुरुडे(2022): भूरूपशास्त्र, प्रीतम प्रकाशन, जळगाव
16. प्राचार्य डॉ. सदानंद गोने, डॉ.सी.बी.लॉडे प्रा.एम.आर.नांगरे, डॉ.पी.बी.गोने (2021): भूरूपशास्त्र: ज्योतीकीरण प्रकाशन, पुणे.



Swami Ramanand Teerth Marathwada University, Nanded
Faculty of Humanities Major in Geography (DSC)
Post Graduate -First Year Programme, Semester First
Paper Code: HGEOC502 Paper Title: *Economic Geography (Major)*
Curriculum Details

Course pre-requisite:

1. Minimum 24 credits required in the subject Geography
2. Books, Maps, Globe, Models
3. ICT

Course objectives:

- To provide in depth knowledge about economic geography
- To make aware about the primary, secondary and tertiary economic activity.
- To familiarize the students about factors affecting on economic development of India.
- To introduce the industrial location theories.

Course outcomes:

Students will be able to

- Classify the economic activities.
- Know the economic developmental status of India.
- Understand the how the locational factors effects on location of industries in India.

Swami RamanandTeerth Marathwada University, Nanded

Faculty of Humanities Major in Geography (DSC)

Paper Code: HGEOC502 Paper Title: *Economic Geography (Major)*

Curriculum Details: (for 4 Credits)

Module No.	Unit No.	Name of Topic	Hrs. Required to cover the contents 1 Hr.=60 Min.
1.0		Introduction	12
	1.1	Definition, Nature and Scope of Economic Geography	
	1.2	Significance of Economic Geography.	
	1.3	Relation of Economic Geography with economics and other branches of Social Sciences.	
	1.4	Sectors of Economy-Primary, Secondary and Tertiary	
2.0		Energy Resources	12
	2.1	Factors of Location of Economic Activities: Physical, Social, Economic and Cultural.	
	2.2	Distribution of Mineral Resources in the World i. Iron ii. Manganese	
	2.3	Distribution of Power Resources in the World i. Coal ii. Petroleum	
	2.4	World Energy Crises in Developed and Developing Countries	
3.0		Industrial Location Theories and Industries	12
	3.1	Factors affecting on location of industries.	
	3.2	Classification of Industries	
	3.3	Theories of Industrial Location - Alfred Weber, August Losch, WalterIsard	
	3.4	Case Studies of Selected Industries in the World with Special Reference to India1. Iron and Steel, 2. Cotton 3. Chemical	
4.0		Modes of transportation and spatial interaction	12
	4.1	Modes of Transportation and Transport Cost	
	4.2	Theories and Models of Spatial Interaction (Edward Ullman and M. E. Hurst) Measures and Indices of Connectivity and Accessibility;	
	4.3	Spatial Flow Models: Gravity Model and its Variants,	
	4.4	Rostov's model of stages of growth.	
5.0		Globalization, Green Revolution and Indian Economy	12
	5.1	Economic Development of India,	
	5.2	Regional Disparities in India.	
	5.3	Impact of Green Revolution on Indian Economy.	
	5.4	Globalization and Indian Economy and its Impact on Environment.	
Total			60

Suggested Readings:

- 1) Alexander J.W. (1976): Economic Geography. Prentice Hall of India. New Delhi.
- 2) Hartshorne, T.A. and J.W. Alexander (1988) –Economic Geography, Prentice Hall.
- 3) Berry, Conkling & Ray (1988): Economic Geography Prentice Hall of India New Jersey.
- 4) Hurst Elliott (1986): Geography of Economic Behaviour. Unwin, London.
- 5) Johnson R.J. & Taylor D.J. (1989): A world in crisis. Basil-Blackwell, Oxford.
- 6) Losch (1954): Economics of Location. Yale University Press New York.
- 7) Redcliff M. (1987): Development & the environmental crisis. Methuen. London.
- 8) Sinha B.N. (1971): Industrial geography of India
- 9) Watts H.D. (1987): Industrial Geography, Longman scientific and Technical New York.
- 10) Haggett, Peter: Modern Synthesis in Geography.
- 11) Robinson H & Bamford C. G. (1978): Geography of Transport, Macdonald & Evans USA.
- 12) Jones & Darkenwald: Economic geography.
- 13) Fairbridge, R. W. (1968): Encyclopedia of Geomorphology, Reinholdts, New York.
- 14) मामोरिया चतुर्भुज (1995): आर्थिक भूगोल
- 15) कौशिक एस.डी. (1998): मानव भूगोल के सरल सिद्धांत, रस्तोगी प्रकाशन, मेरठ.
- 16) जगदीश सिंह काशिनाथ सिंह: आर्थिक भूगोल के मुलतत्त्व, ज्ञानोदय प्रकाशन, गोरखपुर.
- 17) सारंग सुभाषचंद्र (1992): आर्थिक भूगोल व नागरी भूगोल, विद्या प्रकाशन, नागपुर.
- 18) जयकुमार मगर (1992): आर्थिक भूगोल, विद्या प्रकाशन, नागपुर.
- 19) विठ्ठल घारपुरे: आर्थिक भूगोल, पिंपळापुरे प्रकाशन, नागपुर.
- 20) नागलगावे व इतर (2005): आर्थिक भूगोल, अभिजीत प्रकाशन, लातूर.
- 21) रमेश मुगावे व अमर आगळे (2014): आर्थिक भूगोल, अरुणा प्रकाशन, लातूर.
- 22) राजेशशुक्ला, रश्मी शुक्ला (2009): आर्थिक भूगोल, अर्जुन पब्लिशिंग हाउस, नई दिल्ली.



Swami RamanandTeerth Marathwada University, Nanded
Faculty of Humanities Major in Geography (DSC)
Post Graduate -First Year Programme, Semester First
Paper Code: HGEOC503 Paper Title: *Practical Geography (Major)*
Curriculum Details

Course pre-requisite:

1. Minimum 24 credits required in the subject Geography
2. Books, Maps, Globe, Models
3. ICT

Course objectives:

- To provide surveying skills, data collection, report writing, etc.
- To prepare students for various competitive examinations.
- To nurture scientific and research temperament among the students.

Course outcomes:

Students will be able to

- Learn the basics of topographical and cadastral maps and their interpretation.
- Enhance the skill of field survey.
- Understand the methods of slope analysis.

Swami RamanandTeerth Marathwada University, Nanded
Faculty of Humanities Major in Geography (DSC)
Paper Code: HGEOC503 Paper Title: Practical Geography (Major)
Curriculum Details: (for 4 Credits)

Module No.	Unit No.	Name of Topic	Hrs. Required to cover the contents 1 Hr.=60 Min.
1.0		Profile and Slope Analysis	12
	1.1	Profile – Serial, Superimposed, Projected, Composite	
	1.2	Slope-Methods of Measurements of Slopes i. Degree ii. Gradient iii. Percentage iv. Mills	
	1.3	Methods of Slope Analysis i. C.K. Wentworth’s Method ii. G.H. Smith’s Method iii. Robinson’s Dot Method	
	1.4	Types of Slopes	
2.0		Interpretation of SOI Maps	12
	2.1	Interpretation of Topographical Maps of Coastal Regions of India.	
	2.2	Interpretation of Topographical Maps of Mountain Regions of India.	
	2.3	Interpretation of Topographical Maps of Arid Regions of India.	
	2.4	Interpretation of Topographical Maps of Plain Regions of India.	
3.0		Urban Settlements	12
	3.1	Growth of Urban Population.	
	3.2	Degree of urbanization and Rank size rule	
	3.3	Functional classification of urban centres by Nelson.	
	3.4	Centrality index by W. Christaller.	
4.0		Surveying and Quantitative Techniques	12
	4.1	Prismatic Compass Survey-Open and Close Traverse Correction of Bearings by Bowditch’s Method.	
	4.2	Dumpy Level Survey and Measurement of Height by Abney Level	
	4.3	Graphical Presentation of Frequency i. Histogram ii. Frequency Polygaon iii. Ogive Curve	
	4.4	Methods of Measuring Correlation i. Scattered Diagram Method ii. Graphic Method iii. Karl Pearson’s Method iv. Rank Order Spearman’s Method	
5.0		Tour and Preparation of Report	12
	5.1	Students to be taken on a Tour to nearby Village/ Town/ Tourist Places. To prepare contour plan by using Dumpy level.	
	5.2	To measure height by using Abney Level	
	5.3	To identify the landforms on the surface, while in the field. Also note the agents of erosion, transportation and deposition associated with the landforms.	
	5.4	To prepare the report with maps, sketches, photographs etc.	
Total			60

Suggested Readings:

- 1) Croxton&Cowden: Applied General Statistics
- 2) Hammod&McGullah: Quantitative Techniques in Geography
- 3) Khan Z.A.: Text Book of Practical Geography
- 4) Mishra R.P. and Ramesh A.: Fundamentals of Cartography
- 5) Pal, S.K.: Statistics for Geoscientists
- 6) Robinson, A.H.: Elements of Cartography
- 7) Sarkar A.K.: Practical Geography-A Systematic Approach
- 8) Sing, R.L. and Dutt, P.K.(1979): Elements of Practical Geography Kalyani Publishers, New Delhi.
- 9) Singh and Singh:Mapwork and Practical Geography
- 10) Sarkar, A.(1997): Practical Geography – A Systematic Approach – Orient Longman Calcutta.
- 11)जे.पी. शर्मा: प्रात्यक्षिकभूगोल, रस्तोगीप्रकाशन, मेरठ.
- 12) डॉ. डी. वाय. अहिरराव, प्रा.इके. करंजखेले(2010): प्रात्यक्षिकभूगोल; सुदर्शनप्रकाशन, गंगापूररोड, नाशिक.
- 13) डॉ. नागतोडेवलांजेवार(2009):नकाशाशास्त्रवप्रात्यक्षिकभूगोल; पिंपळापुरेअँडकंपनीपब्लिसर्स, नागपूर
- 14)डॉ. कनकुरे, डॉ. मानकरी, रमेशमुगावे(2012):प्रात्यक्षिकभूगोल, अरुणाप्रकाशन, लातूर.
- 15) डॉ. अर्जुन कुंभार(2003):प्रात्यक्षिकभूगोल, सुमेरू प्रकाशन,डोबीवली.
- 16)हरिलालयादव(2011): प्रायोगिकभूगोल, राधा पब्लिकेशनस, नई दिल्ली.
- 17)जयकुमारमगर (2002): प्रात्यक्षिकभूगोल, विद्या प्रकाशन, नागपूर.
- 18) पी. एल. मिश्र (2010): प्रायोगिकभूगोल, विश्व भारती पब्लिकेशनस, नई दिल्ली.
- 19) रामचंद्र तिवारी,सुधाकर त्रिपाठी(2009):प्रायोगिकभूगोल, प्रयाग पुस्तक भवन, इलाहाबाद.



Swami Ramanand Teerth Marathwada University, Nanded

Faculty of Humanities Major Elective in Geography (DSE)

Post Graduate -First Year Programme, Semester First

Paper Code: HGEOE 501 Paper Title: *Urban Geography (Major Elective)*

Curriculum Details

Course pre-requisite:

1. Minimum 24 credits required in the subject Geography
2. Books, Maps, Globe, Models
3. ICT

Course objectives:

- To understand the process of urbanization and origin, growth and classification of urban settlements with relevant theories and models.
- To examine the changing economic base and structure of the contemporary cities.
- To Relate urbanization process and the evolution of urban system.
- To examine the contemporary urban issues and suggest new urban planning and urban policy perspectives Course

Course outcomes:

Students will be able to

- Understand the basic concepts and theories in the field of urban geography
- Better sense of the elements that constitute urban systems.
- Know the political, economic, and technological forces shaping the development of urban systems.
- Understand the social processes associated with creating order and disorder in the urban environment.

Swami RamanandTeerth Marathwada University, Nanded
Faculty of Humanities Major Elective in Geography (DSE)

Paper Code: HGEOE 501 Paper Title: *Urban Geography (Major Elective)*
Curriculum Details: (for 4 Credits)

Module No.	Unit No.	Name of Topic	Hrs. Required to cover the contents 1 Hr.=60 Min.
1.0		Introduction	12
	1.1	Meaning, Nature and Scope of Urban Geography	
	1.2	Significance of the Study of the Urban Geography.	
	1.3	Attributes of Urban Places During Ancient, Medieval and Modern Periods.	
	1.4	Characteristic of modern city	
2.0		Urbanization	12
	2.1	Process of Urbanization- From Early Period to Modern and 20th Century Trends of Urbanization.	
	2.2	Concept of City Region, Rural-Urban Fringe, Urban Sprawl and Ribbon Corridor.	
	2.3	Megalopolis, Conurbation, Rank Size Rule, Primate City	
	2.4	Concept of Central Business District (CBD), Hinterland, Umland and its Characteristics.	
3.0		Theories and Landuse Models	12
	3.1	Central Place Theory of Christaller.	
	3.2	Theory of Peroux and Boudeville.	
	3.3	Concentric Zone Model of E.W. Burgess.	
	3.4	Sector Model of Homer Hoyte and Multiple Nuclei Model of Harris and Ullman	
4.0		Urban Settlements: Function, Classification, Problem and Planning	12
	4.1	Functions of urban settlements	
	4.2	Classifications of urban settlements	
	4.3	Problems of urban settlements	
	4.4	Planning of urban settlements	
5.0		Contemporary Issues	12
	5.1	Contemporary Issues of Indian Urban Centers-Slums	
	5.2	Urban Renewal and Urban Crime	
	5.3	Urban Infrastructure and Urban Poverty	
	5.4	Housing and Environmental Pollution	
Total			60

Suggested Readings:

1. Alam, S.M.: Hyderabad, Secunderabad Twin Cities
2. Berry B.J.L. and Horton F.F.: Geographic Perspectives on Urban Systems
3. Carter H. (1972): The Study of Urban Geography, Edward Arnold Publishers, London.
4. Chorley, R.J.O. Haggett P.: Models of Geography
5. Dickinson, R.E. (1964): City and Region, Routledge, London.
6. Dwyer, D.J.: The City as a Centre of Change in Asia
7. Gibbs, G.P. (1961): Urban Research Methods, D. Van Nostrand Co. Inc. Princeton, New Jersey.
8. Hall P. (1992): Urban and Regional Planning, Routledge, London.
9. Hauser, P.E. and Schnore Leo F. (ed.) (1965): The Study of Urbanisation, Wiley, New York.
10. Kundu, A.: Urban Development and Urban Geography
11. Mumford, L.: Culture of Cities.
12. Smailes A.E.: The Geography of Towns
13. Meyor and Kohn: Reading in Urban Geography
14. डॉ. सुरेश फुले(2011): वस्ती भूगोल, विद्या बुक प्रकाशन, औरंगपुरा. औरंगाबाद.
15. प्रा.के.ए. खतीब(1995): वसाहती भूगोल, मेहता पब्लिशिंग हाऊस, पुणे.
16. राजेश शुक्ला, रश्मी शुक्ला (2009): अधिवास भूगोल, अर्जुन पब्लिशिंग हाऊस, नई दिल्ली.



Swami Ramanand Teerth Marathwada University, Nanded

Faculty of Humanities Major Elective in Geography (DSE)

Post Graduate -First Year Programme, Semester First

Paper Code: HGEOE 502 Paper Title: *Political Geography (Major Elective)* OR

Curriculum Details

Course pre-requisite:

1. Minimum 24 credits required in the subject Geography
2. Books, Maps, Globe, Models
3. ICT

Course objectives:

- To introduce elements of state.
- To explain concepts of state and nation.
- To evaluate global strategic views and make aware about the concept of geopolitics.

Course outcomes:

Students will be able to

- Understand the elements of state.
- Know the difference between state and nation.
- Familiar with global strategic view and express the concept of geopolitics

Swami RamanandTeerth Marathwada University, Nanded
Faculty of Humanities Major Elective in Geography (DSE)

Paper Code: HGEOE 501 Paper Title: *Political Geography (Major Elective) OR*
Curriculum Details: (for 4 Credits)

Module No.	Unit No.	Name of Topic	Hrs. Required to cover the contents 1 Hr. =60 Min.
1.0		Introduction	
	1.1	Definition, Nature and Scope of Political Geography	12
	1.2	Recent Development in Political Geography	
	1.3	Significance of the study of Political geography	
	1.4	Approaches to the Study of Political Geography	
2.0		Geographic Elements of State	
	2.1	Physical Elements	12
	2.2	Cultural Elements	
	2.3	Economic Elements	
	2.4	Political Geography and Environment Interface	
3.0		Themes in Political Geography	
	3.1	State and Nation	12
	3.2	Nation-State and Nation-Building	
	3.3	Frontiers and Boundaries, Core Areas	
	3.4	Capitals- Classification and Functions	
4.0		Global Strategic Views	
	4.1	A.T. Mahan's Sea Base Power.	12
	4.2	Halford Mackinder's Heartland Theory	
	4.3	Spykman's Rimland Theory	
	4.4	Geopolitical Significance of the Indian Ocean.	
5.0		Political Geography of contemporary India	
	5.1	Political Geography of Contemporary India with Special Reference to Changing Political Map of India.	12
	5.2	Centripetal and Centrifugal Forces; Stability and Instability; Interstate Issues (Like Water Disputes and Riparian Claims)	
	5.3	Conflict Resolutions, Insurgency in Border States; Emergence of New State	
	5.4	Federal India: Unity in Diversity	
Total			60

Suggested Readings:

1. Dikshit, R.D.(1996): Political Geography: A Contemporary Perspective. Tata McGraw hill, New Delhi.
2. Sukhwal B.L.(1968): Modern Political Geography of India, Sterling Publishers, New Delhi.
3. Taylor, Peter (1985): Political Geography, Longman, London.
4. Pounds N.J.G. (1972): Political Geography, McGraw Hill, New York.
5. विठल घारपुरे(2001): राजकीय भूगोल, पिंपळापुरेअँडकंपनीपब्लिसर्स, नागपूर.
6. मोहन गुळवे (2003): राजकीय भूगोल, कैलासपब्लिकेशन औरंगपुरा, औरंगाबाद.
7. एस. आर. लाटकर, अ. श्री. आपटे (2009): राजकीय भूगोल, विद्या प्रकाशन, नागपूर.
8. डॉ. जयकुमार मगर (2008): राजकीय भूगोल, विद्या प्रकाशन, नागपूर.



Swami Ramanand Teerth Marathwada University, Nanded
Faculty of Humanities Major in Geography (RM)

Post Graduate -First Year Programme, Semester First

Paper Code: HGEOR 501 Paper Title: *Research Methodology (RM)*

Curriculum Details

Course pre-requisite:

1. Minimum 24 credits required in the subject Geography
2. Books, Maps, Globe, Models
3. ICT

Course objectives:

- To make the students familiar with the elements of basic research procedure.
- Acquired geographical Knowledge and examine the contemporary issues.

Course outcomes:

Students will be able to

- Apply the research methods in geographical analysis.
- Design and articulate a geographical research proposal.
- Enhance the ability to choose appropriate methods to answer a research question.
- Adopt the practical skills in quantitative and qualitative methods.

Swami RamanandTeerth Marathwada University, Nanded

Faculty of Humanities Major in Geography (DSC)

Paper Code: HGEOR 501 Paper Title: *Research Methodology (RM)*

Curriculum Details: (for 4 Credits)

Module No.	Unit No.	Name of Topic	Hrs. Required to cover the contents 1 Hr.=60 Min.
1.0		Introduction	12
	1.1	Nature of Geographical Research.	
	1.2	Science and Research	
	1.3	Meaning of Research	
	1.4	Types of Research	
2.0		Methods, Approaches and Hypothesis of Research	12
	2.1	Qualitative and quantitative methods of research	
	2.2	Content analysis, survey, field and laboratory experimental studies	
	2.3	Characteristics of methods and their implications in research area	
	2.4	Approaches and Hypothesis of Research	
3.0		Development of research proposal	12
	3.1	Research proposal and its elements	
	3.2	Formulation of research problem-criteria of sources and definition	
	3.3	Development of objectives and characteristics of objectives	
	3.4	Development hypotheses and application	
4.0		Methods of Data Collection	12
	4.1	Types of Data and Data Collection	
	4.2	Sampling	
	4.3	Processing and Analysis of Data	
	4.4	Problem of sampling.	
5.0		Methods of Data Analysis & Report Writing and Evaluations	12
	5.1	Analysis of qualitative data based on various tools	
	5.2	Analysis of quantitative data and its presentation with tables, graphs etc	
	5.3	Research Report- Preparation of Draft, Contents, Quotations, Footnotes, References & Bibliography.	
	5.4	Role of Computer in Research.	
Total			60

Suggested Readings:

1. Balloy Stephen V. (1970)-A mode for thesis of research paper Houghton, Mifflin, Bosten, New York.
2. Cohrly R.J. (1971)-Directions in Geography, Mettenen.
3. Durenberger.R.W.-Geographical Research & Writing New York, Thomas Y. Cromwelyd Co.
4. Haggett P.-Geography: A Modern synthesis- New York- Harper and row.
5. Bajpai S. R. (1975) Methods of Social Survey and Research, Kitabghar, Kanpur.
6. Hans Raj (1988) Theory and Practice in Social Research, Surjeet Publication, Kolhapur.
7. Krishnaswami O. R. (1988) Methodology of Research in Social Science, Himalaya Pub. House.
8. Kothari, C. R. (2005) Quantitative Technique, New Delhi, Vikas Publication House.
9. Gautam, N. C. (2004) Development of Research tools, New Delhi, Shree Publishers.
10. Gupta, Santosh (2005) Research Methodology and Statistical Techniques, Deep Publications.
11. Chandra A. and Sexena T. P. (2000) Style Manual, New Delhi, Metropolitan Book Comp. Ltd.
12. Shukla, J. J. (1999) Theories of Knowledge, Ahmadabad, Karnavati Publication.
13. Bhattacharya, D. K. (2004) Research Methodology, New Delhi, Excel Books.
14. डॉ. प्रदीप आगलावे (2016): सामाजिक संशोधन पद्धतीशास्त्र व तंत्रे, श्री साईनाथ प्रकाशन, नागपूर.
15. प्रा. नीलम धुरी (2008): संशोधन पद्धती, फडके प्रकाशन, कोहलापूर.
16. डॉ. गंगाधर कायदे पाटील(2006): संशोधन पद्धती, चैतन्य पब्लिकेशन्स, नाशिक-12



Swami RamanandTeerth Marathwada University, Nanded

Under the Faculty of Humanities

SYLLABUS

GEOGRAPHY

M.A. FIRST YEAR

SEMESTER PATTERN

SEMESTER SECOND

**Effective from Academic year 2023-2024
As per NEP-2020**



Swami Ramanand Teerth Marathwada University, Nanded
Faculty of Humanities Major in Geography (DSC)

Post Graduate -First Year Programme, Semester Second
Paper Code: HGEOC 551 Paper Title: *Climatology (Major)*
Curriculum Details

Course pre-requisite:

1. Minimum 24 credits required in the subject Geography
2. Books, Maps, Globe, Models
3. ICT

Course objectives:

- To create awareness about weather and climatic phenomena.
- To develop the understanding regarding weather and climatic issues.
- To make students aware about global warming.

Course outcomes:

Students will be able to

- Understand the weather and climatic phenomena
- Explain weather and climatic phenomena.
- Aware about global warming and climate change.

Swami RamanandTeerth Marathwada University, Nanded

Faculty of Humanities Major in Geography (DSC)

Paper Code: HGEOC551 Paper Title: *Climatology (Major)*

Curriculum Details: (for 4 Credits)

Module No.	Unit No.	Name of Topic	Hrs. Required to cover the contents 1 Hr.=60 Min.
1.0		Introduction	
	1.1	Nature and scope of climatology	
	1.2	Composition and structure of the atmosphere	
	1.3	Temperature, Factors affecting on distribution of Temperature.	12
	1.4	Insolation, Heat Balance of the Earth. Vertical and Horizontal Distribution of Temperature	
2.0		Atmospheric pressure, Winds and Atmospheric Moisture	
	2.1	Vertical and Horizontal Distribution of Pressure.	
	2.2	Pressure Belts.	
	2.3	Planetary Winds & Periodic Winds, Local Winds and Monsoon.	12
	2.4	Atmospheric Moisture: Humidity, Evaporation and Condensation	
3.0		Precipitation and Air Masses	
	3.1	Precipitation formation and Types	
	3.2	Types of Rainfall	12
	3.3	World Pattern of Precipitation.	
	3.4	Concept of Air Masses and Classification.	
4.0		Atmospheric disturbance's	
	4.1	Definition of atmospheric disturbances	
	4.2	Tropical and Temperate Cyclones and Anticyclones	12
	4.3	Classification of Cyclones and Anticyclones.	
	4.4	Toronado and Thunderstorms	
5.0		Climate Classification, Environmental Issues and Applied Climatology	
	5.1	Koppen's Classification of Climate of the world	
	5.2	Thornthwaite's Classification of Climate of the world	12
	5.3	Global Warming Causes and Environmental Impacts.	
	5.4	Applied Climatology: Urban Climate, Climate and Health	
Total			60

Suggested Readings:

1. Barry, R.G. and Chorley P.J.(1998): Atmosphere, Weather and Climate, Routledge, London and New York.
2. Critchfield, J.H.(1993): General Climatology, Prentice Hall, India, New Delhi.
3. Das, P.K.(1987): Monsoons, National Book Trust, New Delhi.
4. Lal, D.S.: Climatology, ShardaPustakBhavan, Allahabad.
5. Peterson, S.(1969): Introduction to Meteorology, McGraw hill book, London.
6. Robinson, P.J. and Henderson S.(1999): Contemporary Climatology, Henlow.
7. Thompson, R.D. and Perry, A. (1997): Applied Climatology, Principles and Practice, Routledge, London.
8. प्रा.सु.प्र. दाते, सौ. दाते, प्रा. डोईफोडे (2002): प्राकृतिक भूविज्ञान, अनिरुद्ध पब्लिकेशनस हाउस, पुणे.
9. शेते, फुले, शहापूरकर(1997): प्राकृतिकभूगोल, अभिजीतपब्लिकेशन, लातूर.
10. शेते एस. टी.(2003): हवामानशास्त्र आणि सागरविज्ञान, अभिजीत पब्लिकेशन, लातूर.
11. डॉ. विठ्ठलघारपुरे(2001): प्राकृतिकभूगोलाचीमूलतत्वे, पिंपळापुरेअँडकंपनीपब्लिसर्स, नागपूर.
12. डॉ. व्ही. टी. नाईक, प्रावी.आर. गुरुडे, प्रा.पी.डी.राठोड(2010): प्राकृतिकभूगोलाचीओळखआणिमूलतत्वे, कैलासपब्लिकेशनऔरंगपुरा,औरंगाबाद.
13. डॉ.पी.एम.नागतोडे (2009): हवामानशास्त्राची मुलतत्वे, विद्या प्रकाशन, नागपूर.



Swami Ramanand Teerth Marathwada University, Nanded
Faculty of Humanities Major in Geography (DSC)

Post Graduate -First Year Programme, Semester Second

Paper Code: HGEOC 552 Paper Title: *Population Geography (Major)*
Curriculum Details

Course pre-requisite:

1. Minimum 24 credits required in the subject Geography
2. Books, Maps, Globe, Models
3. ICT

Course objectives:

- To introduce the students to the complex dimensions of population.
- To evaluate the association between demographic and Socio- economic development.
- To aware about the role and relationship between population and environment over space- time.

Course outcomes:

Students will be able to

- Understand the spatial and structural dimensions of population.
- Identify the emerging issues, such as population growth, birth rate, Death Rate, Sex Ratio.
- Know the global and regional level problems such as over population, literacy rate, migration etc.

Swami RamanandTeerth Marathwada University, Nanded
Faculty of Humanities Major in Geography (DSC)

Paper Code: HGEOC 552 Paper Title: Population Geography (Major)
Curriculum Details: (for 4 Credits)

Module No.	Unit No.	Name of Topic	Hrs. Required to cover the contents 1 Hr.=60 Min.
1.0		Introduction	12
	1.1	Definition, Nature and Scope of Population Geography.	
	1.2	Relationship of Population Geography with Other Social Sciences.	
	1.3	Population Geography and Demography-sources of population data and their level of reliability.	
	1.4	Importance of the Study of Population Geography.	
2.0		Population Growth and Distribution	12
	2.1	Factors Affecting on Growth of Population	
	2.2	Population Growth in the World with Special Reference to India	
	2.3	Factors Affecting on Distribution of Population	
	2.4	Distribution of Population in the World with Special Reference to India	
3.0		Migration of Population	12
	3.1	Meaning and importance of migration	
	3.2	Causes of migration	
	3.3	Types of migrations	
	3.4	Consequences of migration	
4.0		Population structure	12
	4.1	Age and sex structure	
	4.2	Occupational structure	
	4.3	Rural and urban structure	
	4.4	Literacy ratio	
5.0		Theories of Population Growth and Population Problems	12
	5.1	Malthusian theory of Population.	
	5.2	Demographic Transition Theory.	
	5.3	Optimum Population Theory	
	5.4	Problems in developing and developed countries.	
Total			60

Suggested Readings:

1. Beaujeu Gamier (1978): Geography of Population, Longman, London.
2. Barrett H.R. (1992): Population Geography, Oliver and Boyd Longman House, Harlow
3. Bhende Asha&Kanitkar Tara (1975): Principles of population Studies, Himalaya Publishing House, Bombay.
4. Chandna, R.C. &Manjit S. Sidhu (1980): Introduction to Population Geography, Kalyani Publishers, New Delhi.
5. Chandana, R.C. (1984): Geography of Population, Kalyani publisher, Ludhiana.
6. Clarke J.I. (1972): Population Geography, Pergam on Press Oxford.
7. ChandanaR.C. (1988): Geography of Population, Kalyani Pub. Ludhiyana.
8. Garnier, J.B. (1976): Geography of Population, Longman Group Ltd., London.
9. Ghosh B.N.: Fundamentals of Population Geography.
10. Hausier, Philip M & Duncan (1959): The Study of Population, University Press, Chicago.
11. HussinM. (1994): Human Geography.
12. Hussein, Majid (1999): Human Geography (2Ed.), Rawat Publications, Jaipur.
13. Perpillou A.V. (1986): Human Geography, Longman, London.
14. Ravenstein, E (1889): The Laws of Migration, journal, Royal Statistical Society, 49, pp 241- 305.
15. Robinson H. (1976): Human Geography.
16. Sinha V.C (1979): Dynamics of India's Population Growth, National Publishing House, New Delhi.
17. आहीरराव, अलीझाड (1997): लोकसंख्या भूगोल
18. विठल घारपुरे(2005): लोकसंख्या भूगोल, पिंपळापुरे अँड कंपनी पब्लिसर्स, नागपूर.
19. शेते, फुले, शहापूरकर(2003): लोकसंख्या भूगोल, अभिजीत पब्लिकेशन, लातूर.
20. मजीद हुसेन(2007): मानवी भूगोल, रावत पब्लिकेशन, जयपूर.



Swami RamanandTeerth Marathwada University, Nanded
Faculty of Humanities Major in Geography (DSC)

Post Graduate -First Year Programme, Semester Second

Paper Code: HGEOC 553 Paper Title: *Practical Geography (Major)*
Curriculum Details

Course pre-requisite:

1. Minimum 24 credits required in the subject Geography
2. Books, Maps, Globe, Models
3. ICT

Course objectives:

- The main objective of this course is to train the students in the arts of representing climatic data through different graphs and diagrams.
- To introduce some basic research method to the students to be applied to various themes in Human Geography.
- To give the skill of assumptions and interpretation of these methods and analyze the data.

Course outcomes:

Students will be able to

- Apply the various indices to analyze the human aspects.
- Interpret the result.

Swami RamanandTeerth Marathwada University, Nanded
Faculty of Humanities Major in Geography (DSC)

Paper Code: HGEOC 553 Paper Title: *Practical Geography (Major)*
Curriculum Details: (for 4 Credits)

Module No.	Unit No.	Name of Topic	Hrs. Required to cover the contents 1 Hr.=60 Min.
1.0		Representation of Climatic Data	12
	1.1	Drawings of Isolines	
	1.2	Ergograph and Climatograph	
	1.3	Wind Rose, Octagonal Wind Rose and Star Diagram	
	1.4	Rainfall Dispersion Diagram	
2.0		Interpretation of Weather maps	12
	2.1	Interpretation of Weather Maps of India	
	2.2	Weather Station Model	
	2.3	Identification of Climatic Types According to Koppen	
	2.4	Isobars and Isobaric Patterns	
3.0		Density of Population	12
	3.1	Arithmetic density.	
	3.2	Agriculture Density.	
	3.3	Nutritional Density.	
	3.4	Caloric Density.	
4.0		Measures of Fertility and Mortality	12
	4.1	Crude Birth rate.	
	4.2	General Fertility rate.	
	4.3	Standard Mortality rate.	
	4.4	Child-Woman Ratio.	
5.0		Field Visit and Preparation of Report	12
	5.1	Students to be taken on a field visit for one day to nearby Village/ Town.	
	5.2	To collect demographic / social / economic data of the households with a structured questionnaire.	
	5.3	To prepare the report with maps	
	5.4	Sketches and photographs	
Total			60

Suggested Readings:

- 1) Kha, Z.A. (1998): Text Book of Practical Geography Concept, New Delhi.
- 2) Lawrence, G.R.P.(1968): Cartography Methods, Methuen London.
- 3) Mishra, R.P. & Ramesh A.(1986): Fundamentals of Cartography, McMillan Co. New Delhi.
- 4) Monkhouse, F.J. & Wilkinson, H.R. (1994): Maps and Diagrams, London.
- 5) Sarkar, A.K.(1997): Practical Geography A Systematic Approach Orient Longman, Calcutta.
- 6) Singh, R.L.: Elements of Practical Geography, Kalyani Publication, New Delhi.
- 7) Gopal Singh: Map Work and Practical Geography
- 8) Mishra R. P., A. Ramesh: Fundamental of Cartography
- 9) Raj Singh, Raghunandan Singh: Map Work and Practical Geography
- 10) R. L. Singh, P. K. Dutt: Elements of Practical Geography
- 11) Robinsons A. R.: Elements of Cartography
- 12) Erwin Raizg: General Cartography
- 13) Haggett P. (1965) – Locational Analysis in Human Geography.
- 14) Haggett & Chorley – Models in Geography.
- 15) Haggett P.- Geography: A modern synthesis – New York – Harper and row
- 16) जे.पी. शर्मा: प्रात्यक्षिकभूगोल, रस्तोगीप्रकाशन, मेरठ.
- 17) डॉ. डी. वाय. अहिरराव, प्रा.इके. करंजखेले(2010): प्रात्यक्षिकभूगोल; सुदर्शनप्रकाशन, गंगापूररोड, नाशिक.
- 18) डॉ. नागतोडेवलांजेवार(2009): नकाशाशास्त्रवप्रात्यक्षिकभूगोल; पिंपळापुरेअँडकंपनीपब्लिसर्स, नागपूर
- 19) डॉ. कनकुरे, डॉ. मानकरी, रमेशमुगावे(2012): प्रात्यक्षिकभूगोल, अरुणाप्रकाशन, लातूर.
- 20) डॉ. अर्जुन कुंभार(2003): प्रात्यक्षिकभूगोल, सुमेरू प्रकाशन, डोबीवली.
- 21) हरिलालयादव(2011): प्रायोगिकभूगोल, राधा पब्लिकेशनस, नई दिल्ली.
- 22) जयकुमारमगर (1998): प्रात्यक्षिकभूगोल, विद्या प्रकाशन, नागपूर.
- 23) पी. एल. मिश्र (2010): प्रायोगिकभूगोल, विश्व भारती पब्लिकेशनस, नई दिल्ली.
- 24) रामचंद्र तिवारी, सुधाकर त्रिपाठी(2009): प्रायोगिकभूगोल, प्रयाग पुस्तक भवन, इलाहाबाद.



Swami RamanandTeerth Marathwada University, Nanded
Faculty of Humanities Major in Geography (DSE)

Post Graduate -First Year Programme, Semester Second

Paper Code: HGEOE 551 Paper Title: *Environment Geography (Elective)*
Curriculum Details

Course pre-requisite:

1. Minimum 24 credits required in the subject Geography
2. Books, Maps, Globe, Models
3. ICT

Course objectives:

- To introduce the importance of natural resources.
- To provide in depth knowledge about geography of environment
- To nurture scientific and research approach among the students

Course outcomes:

Students will be able to

- Able to understand the present situation of natural resources.
- To understand the environment in Toto
- Its significance, and ways of conservation and protection of environment.

Swami RamanandTeerth Marathwada University, Nanded

Faculty of Humanities Major Elective in Geography (DSE)

Paper Code: HGEOE551 Paper Title: *Environment Geography (Elective)*

Curriculum Details: (for 4 Credits)

Module No.	Unit No.	Name of Topic	Hrs. Required to cover the contents 1 Hrs.=60 Min.
1.0		Introduction	
	1.1	Definition, Nature and Scope of Environment Geography of Environment	12
	1.2	Environment: Meaning, Nature and Components	
	1.3	Public Awareness through Institution and People in Environment	
	1.4	Relationship of Environment Geography with other sciences	
2.0		Natural Resources.	
	2.1	Natural Resources and Associated Problems	12
	2.2	Non- Renewable Resources	
	2.3	Renewable Resources	
	2.4	Planning of Resources	
3.0		Ecosystem	
	3.1	Concept and types of an Ecosystem,	12
	3.2	Structure and Functions of Ecosystem	
	3.3	Energy Flow in the Ecosystem: Hydrological and Carbon Cycle	
	3.4	Food Chain, Food Web and Ecological Pyramid	
4.0		Biodiversity	
	4.1	Concept of Biodiversity	12
	4.2	Importance and Types of Biodiversity	
	4.3	Depletion of Biodiversity: Natural and Man Induced Causes	
	4.4	Hotspots of Biodiversity and Conservation of Biodiversity	
5.0		Pollution, Environmental Hazards and Environmental Policies	
	5.1	Pollution: Meaning and Types- Air, Water and Soil.	12
	5.2	Pollution: Causes, Effects and Remedies	
	5.3	Environmental Hazards: Global Warming, Urban Heat Island	
	5.4	Environmental Policies: Brundtland Commission, Kyoto Protocol, Sustainable Development Goals	
Total			60

Suggested Readings

- 1) Agarwal, A. et.al. (1998): The Citizen's Fifth Report. Centre for Science and Environment, New Delhi.
- 2) Alexander John (1998): Economic Geography, Prentice Hall & W of India Ltd. New Delhi.
- 3) Allen J.L. (1997): Student Atlas of Environmental Issues Dushkin Publication.
- 4) Brown L.R. (1976): In the Human Interest, East-West Press, New Delhi.
- 5) Cutter, L. Renwick H.L. Rowman & Allanheld (1985): Exploitation, Conservation & Preservation: A Geographic Perspective and Natural Resources Use, Wotowa N.J.
- 6) Erach, Bharucha (2005): Textbook of Environmental Studies, Universities Press (India) Pvt. Ltd. Hyderabad.
- 7) Lal, Pranaya Indica (2016): A Deep Natural History of the Indian Subcontinent, Penguin Random House India, Gurgaon.
- 8) Saxena, H. M. (2008): Environmental Geography, Rawat Publication, Jaipur.
- 9) Singh, Savinder (2018): Environmental Geography, Prayag Pustak Bhandar, Allahabad.
- 10) डॉ. सुभासचंद्र सारंग (2006): पर्यावरण भूगोल, विद्या प्रकाशन, नागपूर.
- 11) प्रा. बालाजी आर. गुरुडे (2023): पर्यावरण: समस्या, जाणीव जागृती आणि संवर्धन, रुपी पब्लिकेशन्स प्रा. लि., कोल्हापूर.
- 12) शेठे, फुले, शहापूरकर (1999): पर्यावरण भूगोल, अभिजीत पब्लिकेशन, लातूर.
- 13) विठल घारपुरे (2001): पर्यावरण भूगोलशास्त्र, पिंपळापुरे अँड कंपनी पब्लिसर्स, नागपूर.



Swami Ramanand Teerth Marathwada University, Nanded
Faculty of Humanities Major in Geography (DSE)

Post Graduate -First Year Programme, Semester Second

**Paper Code: HGEOE552 Paper Title: *History of Geographical Thought (Elective)* OR
Curriculum Details**

Course pre-requisite:

1. Minimum 24 credits required in the subject Geography
2. Books, Maps, Globe, Models
3. ICT

Course objectives:

- To introduce the students the philosophical foundation of the subject.
- To familiarize the students about place of Geography in the world of knowledge.
- To familiarize the students with the major landmarks in the development of geographical thought at different period of time.

Course outcomes:

Students will be able to

- Understand the philosophical foundation of Geography.
- know the place of geography in the world of knowledge.
- Understand the development of geographical thought in different period of time.

Swami RamanandTeerth Marathwada University, Nanded

Faculty of Humanities Major Elective in Geography (DSE)

Paper Code: HGEOE552 Paper Title: *History of Geographical Thought (Elective)* OR

Curriculum Details: (for 4 Credits)

Module No.	Unit No.	Name of Topic	Hrs. Required to cover the contents 1 Hr.=60 Min.
1.0		Brief History of Geographical Thought	
	1.1	Contribution of Ancient Greek Geographers	12
	1.2	Contribution of Ancient Roman Geographers	
	1.3	Contribution of Ancient Indian Geographers.	
	1.4	Contribution of Arab Geographers	
2.0		German, French, British and American Schools of Geography	
	2.1	The German School of Geography- Alexander Von Humboldt and Carl Ritter	12
	2.2	The French School of Geography – Vidal – da- la- Blache and Jean Brunhes	
	2.3	The British School of Geography- Halford J. Mackinder and A.J. Herbertson	
	2.4	The American school of Geography – Ellen Churchill Semple and W. M. Devis	
3.0		Major concepts in Geography	
	3.1	Determinism	12
	3.2	Possibilism	
	3.3	Neo determinism	
	3.4	Probabilism	
4.0		Approaches in Geography	
	4.1	Systematic Approach	12
	4.2	Regional Approach	
	4.3	System Approach	
	4.4	Quantitative Approach	
5.0		Models and concepts in geography	
	5.1	Models in Geography: Significance, need and features	12
	5.2	Models in Geography: General classification of models	
	5.3	Concept of region	
	5.4	Concept of Spatial organization	
Total			60

Suggested Readings

- 1) Lawrence, G.R.P.(1968): Cartographic Methods, Methuen London.
- 2) Monkhouse, F.H. & Wilkinson, H.r.(1994): Maps and diagrams -, Methuen London.
- 3) Robinson, A.H.(1995): Elements of Cartography-John Wiley and Sons U.S.A.
- 4) Archer, J.E. & Dalton, T.H.(1968): The Fieldwork in Geography Batsford Limited London.
- 5) डॉ.सुभाषचंद्र सारंग (2005): भूगोल शास्त्रातील विचार व संकल्पना , विद्या प्रकाशन नागपूर .
- 6) डॉ. कनकुरे, डॉ. मानकरी, डॉ.संतोष मंगनाळे(2012): भौगोलिक संकल्पना, अरुणा प्रकाशन, लातूर
- 7) वेळापूरकर, कनकुरे, राठोड आणि उगाडे (2005): भौगोलिक विचारधारेचा विकास,संध्या प्रकाशन, उदगीर.



Swami Ramanand Teerth Marathwada University, Nanded
Faculty of Humanities in Geography (Field Project)

Semester Second

Paper Code: HGEOF551 Paper Title: *Field Project (FP)*

Curriculum Details: (for 4 Credits)

Course pre-requisite:

1. Minimum 24 credits required in the subject Geography
2. Books, Maps, Globe, Models
3. ICT

Course objectives:

- To provide depth knowledge of field project.
- To provide field survey skills data collection and report writing.
- To train the students representing data through Maps, Graphs and Diagrams

Course outcomes:

Students will be able to

- Apply the field project in geographical phenomena.
- Design the field project in geographical approach.
- Enhance the ability to choose appropriate title of the field project.
- Adopt the research skill in quantitative and qualitative methods in field project.

Swami RamanandTeerth Marathwada University, Nanded
Faculty of Humanities in Geography(Field Project)

Semester Second

Paper Code: HGEOF 551 Paper Title: *Field Project(FP)*
Curriculum Details: (for 4 Credits)

Module No.	Unit No.	Name of Topic	Hrs. Required to cover the contents 1 Hr.=60 Min.
1.0		Introduction	12
	1.1	Definition of field project	
	1.2	Nature of field project	
	1.3	Frequency of field project	
	1.4	Selection of topic for field project.	
2.0		Review of literature	12
	2.1	Review of literature	
	2.2	Formulation of objectives	
	2.3	Methodology	
	2.4	Summary	
3.0		Data collection	12
	3.1	Primary data collection and its sources	
	3.2	Secondary data collection and its sources	
	3.3	Field survey for data collection	
	3.4	Interviewtechnic	
4.0		Report writing(20-25 Pages)	12
	4.1	Report writing	
	4.2	Analysis	
	4.3	Suggestions	
	4.4	Finding	
5.0		Viva Voce	12
	5.1	Presentation	
	5.2	Questions	
	5.3	Answers	
	5.4	Report submission	
Total			60

Suggested Readings:

1. Balloy Stephen V. (1970)-A mode for thesis of research paper Houghton, Mifflin, Bosten, New York.
2. Bhattacharya, D. K. (2004) Research Methodology, New Delhi, Excel Books.
3. Kothari, C. R. (2005) Quantitative Technique, New Delhi, Vikas Publication House.
4. डॉ. प्रदीप आगलावे (2016): सामाजिक संशोधन पद्धतीशास्त्र व तंत्रे, श्री साईनाथ प्रकाशन, नागपूर.
5. प्रा. नीलम धुरी (2008): संशोधन पद्धती, फडके प्रकाशन, कोहलापूर.
6. डॉ. गंगाधर कायदे पाटील(2006): संशोधन पद्धती, चैतन्य पब्लिकेशन्स, नाशिक-12

Guidelines for Course Assessment:

A. Continuous Assessment (CA) (20% of the Maximum Marks):

This will form 20% of the Maximum Marks and will be carried out throughout the semester. It may be done by conducting **Two Tests and one Assignment**. Average of marks scored in these two tests and one assignment of a theory paper will make CA.

Continuous Assessment 20 Marks will be as follows

- a. Test 1= 20 Marks
- b. Test 2= 20 Marks
- c. Assignment = 20 Marks

Note: Average of Test 1+Test 2+Assignment/3 (20+20+20=60/3=20Marks)

B. End Semester Assessment (80% of the Maximum Marks):

1. ESE Question paper will consist of 6 questions (each of 20 marks)
2. There will be 4- 5 sub questions in Question No. 1 (BOS may change scheme of marking.)
3. Question No.1 will be compulsory and shall be based on entire syllabus.
4. Students are required to solve a total of 4 Questions.
5. Students need to solve ANY THREE of the remaining Five Question (Q.2 to Q.6/) and shall be based on entire syllabus.

C. Assessment of Term Work/ Tutorial/Field Works:

At least 08 test / assignments covering entire syllabus must be given during the 'class wise tutorial'. The assignments should be students' centric and attempts be made to make assignments more meaningful, interesting and innovative.

Term work assessment must be based on overall performance of the student with every assignment graded time to time. The grades be converted to marks as per 'credit and grading system' manual and should be added and averaged.

D. Submission of certified journal, Field Report and Excursion report is **compulsory** without students shall not be allowed to appear practical examination.

Note:Number of lectures required to cover syllabus of a course depend on number of credits assigned to it. For example, for a two-credit course, 30 lectures each of one hour duration are assigned, while that for a three credit course 45. lectures.



Swami Ramanand Teerth Marathwada University, Nanded
Faculty of Humanities Major in Geography **DSC and DSE**

Post Graduate -First Year Programme, Semester I and II

End of Semester Examination (ESE)
Theory Question Paper Pattern (4 Credits)
With effective from 2023-24

Marks :80

Note:

1. Question no.1 shall be mandatory and shall be based on entire syllabus.
2. Student need to solve **Any Three** of the remaining Five Question (Q2 to Q6) and shall be based on entire Syllabus.
3. Students are required to solve a total of 4 Questions.

Q1. Write a short answer on the following	(20)
a. Short answer	
b. Short answer	
c. Short answer	
d. Short answer	
e. Short answer	
Q2. Descriptive Question	(20)
Q3. Descriptive Question	(20)
Q4. Descriptive Question	(20)
Q5. Descriptive Question	(20)
Q6. Descriptive Question	(20)

Total= 80 Marks



Swami Ramanand Teerth Marathwada University, Nanded
***Faculty of Humanities* Major in Geography DSC**

Post Graduate -First Year Programme, Semester I

Paper Code: HGEOC503 Paper Title: *Practical Geography (Major)*

End of Semester Examination (ESE)

Practical Question Paper Pattern (4 Credits)

With effective from 2023-24

Marks :80

Q.1.	a)	Calculate the slope in degree and gradient/mils and percentage	05
	b)	Draw Profile	05
	c)	Methods of slope analysis	05
	d)	Draw a type of slope	05
Q.2.	a)	Interpretation of Topographical Maps of Coastal/ Mountain / Arid / Plain regions of India (any one)	10
	b)	Growth of Urban Population/Degree of urbanization and Rank size rule/ Functional classification of urban centres by Nelson/Centrality index by W. Christaller (any one)	10
Q.3.	a)	Prismatic Compass Survey/Dumpy Level Survey/Measurement of Height by Abney Level (any one)	10
	b)	Graphical Presentation of Frequency / Methods of Measuring Deviation (any one)	10
Q.4.		Tour report	10
Q.5		Journal and Viva voce	10



Swami Ramanand Teerth Marathwada University, Nanded
***Faculty of Humanities* Major in Geography DSC**

Post Graduate -First Year Programme, Semester II

Paper Code: HGEOC 553 Paper Title: *Practical Geography (Major)*

End of Semester Examination (ESE)

Practical Question Paper Pattern (4 Credits)

With effective from 2023-24

Marks :80

Q.1.	a)	Drawing of Isolines/ Ergograph (any one)	05
	b)	Draw a Climatograph	05
	c)	Draw a Wind Rose/ Octagonal Wind Rose / Star Diagram (any one)	05
	d)	Rainfall Dispersion Diagram	05
Q.2.	a)	Interpretation of Weather Maps of India	10
	b)	Weather Station Model/ Identification of Climatic Types According to Koppen/ Isobar and Isobaric patterns (any one)	10
Q.3.	a)	Calculate the Arithmetic density/ Agriculture Density (any one)	05
	b)	Calculate the Nutritional Density/ Caloric Density (any one)	05
	c)	Calculate the Crude Birth rate/ General Fertility rate (any one)	05
	d)	Calculate the Standard Mortality rate/ Child-Woman Ratio (any one)	05
Q.4.		Field visit report	10
Q.5		Journal and Viva voce	10