



॥ 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

स्वामी रामानंद तीर्थ
मराठवाडा विद्यापीठ, नांदेड

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

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शैक्षणिक वर्ष २०२४-२५ पासून
राष्ट्रीय शैक्षणिक धोरणानुसार लागू
केलेल्या मानवविज्ञान विद्याशाखेतील
पदव्युत्तर द्वितीय वर्षाच्या सुधारित
(दुरूस्ती) अभ्यासक्रमा बाबत....

प रि प त्र क

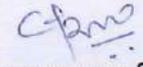
संदर्भ:- १. जा.क्र.शै-१/एनईपी/पदवीअभ्यासक्रम/२०२४-२५/२०१ दिनांक ०२/०८/२०२४

या परिपत्रकान्वये सर्व संबंधितांना कळविण्यात येते की, संदर्भीय परिपत्रकान्वये दिनांक १५ मे २०२४ रोजी संपन्न झालेल्या मा. विद्यापरिपदेच्या बैठकीतील विषय क्र. १६/५९-२०२४ अन्वये मान्यता दिल्यानुसार मानवविज्ञान विद्याशाखे अंतर्गत राष्ट्रीय शैक्षणिक धोरणानुसार पदव्युत्तर द्वितीय वर्षाचे अभ्यासक्रम शैक्षणिक वर्ष २०२४-२५ पासून लागू करण्यात आलेले आहेत. तथापी वरील संदर्भीय परिपत्रका अन्वये प्रकाशित केलेल्या अभ्यासक्रमामध्ये अभ्यासमंडळांनी किरकोळ दुरूस्ती करून अभ्यासक्रम सादर केला असून मा. अधिष्ठाता, मानवविज्ञान विद्याशाखा यांच्या मान्यतेने दुरूस्ती केलेले खालील अभ्यासक्रम लागू करण्यात येत आहेत.

01 | M. A. II year Geography (Affiliated College)

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/एनईपीपीजीदुरूस्ती/मानवविज्ञानवि/
२०२४-२५/ 298
दिनांक : १४.१०.२०२४


सहाय्यक कुलसचिव
शैक्षणिक अभ्यासमंडळ विभाग

- प्रत माहिती व पुढील कार्यवाहीस्तव.
०१. मा. अधिष्ठाता, मानवविज्ञान विद्याशाखा, प्रस्तुत विद्यापीठ.
 ०२. मा. संचालक, परीक्षा व मूल्यमापन मंडळ यांचे कार्यालय, प्रस्तुत विद्यापीठ.
 ०३. मा. संचालक, सर्व संबधित संकुले, प्रस्तुत विद्यापीठ.
 ०४. मा. प्राचार्य, सर्व संबधित महाविद्यालये, प्रस्तुत विद्यापीठ.
 ०५. 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 2024-2025

(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. Parag Khadke,

Dean, Faculty of Humanities,

Swami Ramanand Teerth Marathwada University, Nanded.

From Desk of Chairman, Board of Studies of the Subject Geography and Applied 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 Ramanand Teerth 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 Ramanand Teerth 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 DadaraoWalgave	<i>Member</i>	Shivneri Mahavidyalaya, ShirurAnantpal	9673656114
6	Dr.Sadanand Hariba Gone	<i>Member</i>	Ujwal Gramin Mahavidyalaya, Ghonsi	9822145010
7	Dr.Bhagwan Prabhakarrrao Shendge	<i>Member</i>	B.Raghunath Mahavidyalaya,Parbhani	9158443555
8	Dr.Nitin Trimbakrao Deshmukh	<i>Member</i>	Mahatma Gandhi Mahavidyalaya, A.Pur	9423705446
9		<i>Vacant</i>		
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	Prof.B.R. Gurude	<i>Member</i>	Sant Tukaram ASC College, Parbhani	9423440652
15	Dr.Manjunath.P. Manakari	<i>Member</i>	Udyagiri Mahavidyalaya,Udgir	7588874988
As per MUPA u/s 40(2) (d) (E) invite Member				
16	Lamdade Kalpana Sitaram	<i>Member</i>	C/o Indira Gandhi Sr.College, Nanded	
17	Shaikh Rufidabasri Shaikh Munir	<i>Member</i>	C/o Late Baburao Patil College, Hingoli	



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

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	HGEOC501 (4 Cr) Geomorphology HGEOC502 (4 Cr) Economic Geography HGEOC503 (4 Cr) Practical Geography 12 Credits	Elective HGEOE501 (4 Cr) Urban Geography OR HGEOE 502 Political Geography 4 Credits	HGEORM501 (4 Cr) <i>Research Methodology</i> 4 Credits	--	----	20	40
	2	HGEOC551 (4 Cr) Climatology HGEOC552 (4 Cr) Population Geography HGEOC553 (4 Cr) Practical Geography 12 Credits	Elective HGEOE551 (4 Cr) Environment Geography OR HGEOE552 History of Geographical Thought 4 Credits	---	Field Project HGEOFP551 (4 Cr) 4 Credits	--	20	
Exit option: PG Diploma (after three-year Degree)								

	3	HGEO 601 (4 Cr) Oceanography HGEOC602 (4 Cr) Settlement Geography HGEOC603 (4 Cr) Practical Geography 12 Credits	Elective HGEOE601 (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	HGEOC651 (4 Cr) Agriculture Geography HGEOC652 (4 Cr) Geography of Regional Planning HGEOC653 (2 Cr) Practical Geography 10 Credits	Elective HGEOE651 (4 Cr) Geography of Maharashtra OR HGEOE652 Social and Cultural Geography 4 Credits	---		Research Project HGEORP 651 (6Cr) 6Credits	20	40
Total Credits		46	16	04	04	10	80	

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



Swami Ramanand Teerth Marathwada University, Nanded

Faculty of Humanities, Major in Geography DSC

Post Graduate -Second Year Programme of Semester III(Level 6)Teaching Scheme

	Course Code	Course Name	Credits Assigned			Teaching Scheme (Hrs./ week)		
			Theory	Practical	Total	Theory	Practical	Total
Major	HGEOC601	Oceanography	04	--	04	04	----	04
	HGEOC602	Settlement Geography	04	---	04	04	----	04
	HGEOC603	Practical Geography	----	04	04	----	08	08
Major -Electives	HGEOE601 OR HGEOE602	Geography of India OR Geography of Health	04	--	04	04	---	04
Research Project	HGEORP601	Research Project (Field Survey)	04	----	04	04	-----	04
Total Credits			16	04	20	16	08	24



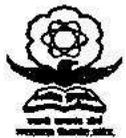
Swami Ramanand Teerth Marathwada University, Nanded
Faculty of Humanities, Major in Geography DSC

Post Graduate –Second Year Programme, Semester IV (Level 6)

Teaching Scheme

	Course Code	Course Name	Credits Assigned			Teaching Scheme (Hrs./ week)		
			Theory	Practical	Total	Theory	Practical	Total
Major	HGEOC651	Agriculture Geography	04	--	04	04	----	04
	HGEOC652	Geography of Regional Planning	04	---	04	04	----	04
	HGEOC653	Practical Geography	----	02	02	----	04	04
Major Electives	HGEOE651 OR HGEOE652	Geography of Maharashtra OR Social and Cultural Geography	04	--	04	04	---	04
	HGEORP551	Research Project	06	----	06	06	-----	06
Total Credits			16	02	20	18	04	22

Note: BOS will suggest structure/ nature of FP



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

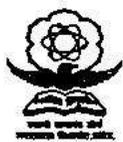
Post Graduate Second Year Programme, Semester III(Level 6)

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					Practical		Total Col. (7+8) TH Col (9+10) PR/RP
			Continuous Assessment (CA)				ESE	Continuous Assessment (CA)	ESE (10)	
			Test I (4)	Test II (5)	Assignment (6)	Avg of T1+T2+Assi. /3 (7)	Total (8)			
Major	HGEOC601	Oceanography	20	20	20	20	80	--	--	100
	HGEOC602	Settlement Geography	20	20	20	20	80	--	--	100
	HGEOC603	Practical Geography	--	--	--	--	--	20	80	100
Major - Electives	HGEOE601 OR HGEOE602	Geography of India OR Geography of Health	20	20	20	20	80	--	--	100
Research Project	HGEORP601	Research Project (Field Survey)	--	--	--	--	--	20	80	100



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

Post Graduate Second Year Programme, Semester IV (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					Practical		Total Col. (7+8) TH Col (9+10) PR/RP
			Continuous Assessment (CA)				ESE	Continuous Assessment (CA)	ESE (10)	
			Test I (4)	Test II (5)	Assignment (6)	Avg of T1+T2+Assi. /3 (7)	Total (8)			
Major	HGEOC651	Agriculture Geography	20	20	20	20	80	--	--	100
	HGEOC652	Geography of Regional Planning	20	20	20	20	80	--	--	100
	HGEOC653	Practical Geography	--	--	--	--	--	10	40	50
Major - Electives	HGEOE651 OR HGEOE652	Geography of Maharashtra OR Social and Cultural Geography	20	20	20	20	80	--	--	100
Research Project	HGEORP651	Research Project	--	--	--	--	--	30	120	150



Swami Ramanand Teerth Marathwada University, Nanded

Under the Faculty of Humanities

SYLLABUS

GEOGRAPHY

M.A./M.Sc. SECOND YEAR

SEMESTER PATTERN

SEMESTER THIRD

**Effective from Academic year 2024-2025
As per NEP-2020**



Swami Ramanand Teerth Marathwada University, Nanded

Faculty of Humanities Major in Geography **DSC**

Post Graduate -Second Year Programme, Semester Third

Paper Code: HGEOC601 Paper Title: *Oceanography (Major)*

Curriculum Details

Course pre-requisite:

1. Books, Maps, Globe, Models
2. ICT, Field Visit

Course objectives:

- To provide in depth knowledge about oceanography
- To prepare students for various competitive examinations
- To nurture scientific and research approach among the students

Course outcomes:

Student will be able to

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



Swami Ramanand Teerth Marathwada University, Nanded

Faculty of Humanities Major in Geography **DSC**

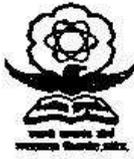
Paper Code: HGEOC601 Paper Title: Oceanography (Major)

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 and Bottom Topography of Oceans	
	1.1	Definition, Nature and Scope of Oceanography.	12
	1.2	Nature of Ocean Floor-Continental Shelf, Continental Slope, Deep Ocean Basin and Trenches. Expansion of Ocean Floor.	
	1.3	Bottom Topography of the Atlantic, Pacific and Indian Oceans.	
	1.4	Significance of Oceanography	
2.0		Ocean Temperature and Salinity	
	2.1	Physical and Chemical Properties of Sea Water.	12
	2.2	Heat and Salt Budgets of Ocean.	
	2.3	Distribution of Temperature	
	2.4	Distribution of Salinity	
3.0		Ocean Circulations	
	3.1	Ocean Circulation: Oceanic Currents, Factors Affecting on Oceanic Currents, Currents of Atlantic, Pacific and Indian Ocean.	12
	3.2	Sea Waves	
	3.3	Tides: Types and Theories	
	3.4	Oceanic Tsunamis.	
4.0		Marine Deposits, Resources and Pollution	
	4.1	Marine Deposits – Classification of Deposits.	12
	4.2	Coral Reefs and Coral Bleaching	
	4.3	Marine Resources: Biological Resources, Mineral Resources and Energy Resources	
	4.4	Marine Pollution: Causes and Consequences	
5.0		Human Intervention and Laws of Sea	
	5.1	Sea level changes and its impact.	12
	5.2	Impact of Human on marine environment.	
	5.3	Laws of Sea.	
	5.4	Major marine environmental: Estuaries, deltas, continental shelf and continental slope.	
Total			60

Suggested Readings:

1. Anikouchine, W.A. and Sternberg, R.W. (1973): The World Oceans –An introduction to Oceanography, Englewood Cliffs, N.J.
2. Grald, S. (1980): General Oceanography – An Introduction, John Wiley and Sons, New York.
3. Garrison, T. (1998): Oceanography, Wadsworth.com, USA.
4. King, C.A.M. Beaches and Coasts, E. Arnold, London, 1972.
5. King, C.A.M. (1975): Oceanography for Geographers E. Arnold, London.
6. डॉ. विठ्ठल घारपुरे (2007): सागरविज्ञान, पिंपळापुरे अँड कंपनीपब्लिसर्स, नागपूर.
7. डॉ. शंकरराव शेते (2003): हवामानशास्त्र व सागर विज्ञान, अभिजित पब्लिकेशन, लातूर.
8. दाते व सौ. दाते: प्राकृतिक भूगोल, विद्या प्रकाशन, नागपूर.
9. डॉ. नागतोडे, शेख, दुधपचारे (2004): भूरूपशास्त्र व सागरविज्ञान, विद्या प्रकाशन, नागपूर.
10. डॉ. मानकरी, मंगनाळे (2014): सागरविज्ञान, अरुणा प्रकाशन, लातूर.
11. डॉ. रजनी देशमुख, कल्पना देशमुख, सीमा सावरकर, साधना भेडेकर (2005): हवामान व सागरविज्ञान, विद्या प्रकाशन, नागपूर.
12. माजीद हुसेन (2008): भौतिक भूगोल, रावत पब्लिकेशन, जयपूर .



Swami Ramanand Teerth Marathwada University, Nanded
Faculty of Humanities Major in Geography **DSC**
Post Graduate -Second Year Programme, Semester Third
Paper Code: HGEOC602 Paper Title: *Settlement Geography (Major)*
Curriculum Details

Course pre-requisite:

1. Books, Maps, Globe, Models
2. ICT

Course objectives:

- To provide in depth knowledge about settlement geography
- To prepare students for various competitive examinations
- To nurture scientific and research approach among the students

Course outcomes:

Students will be able to

- Acquire knowledge about Rural settlements- Definition and nature.
- Analyze the morphology of rural settlements
- Learn the rural house types, census categories of rural settlements and idea of social segregation
- Analyze the urban morphology models of Burgess, Hoyt, Harris and Ullman
- Analyze the functional classification of cities



Swami Ramanand Teerth Marathwada University, Nanded

Faculty of Humanities Major in Geography DSC

Paper Code: HGEOC602 Paper Title: Settlement 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	
	1.1	Definition, Nature and Scope of Settlement Geography	12
	1.2	Importance of the Study of Settlement Geography	
	1.3	Origin and Evaluation of Settlements	
	1.4	Significance of the study of Settlement Geography	
2.0		Rural Settlement in India	
	2.1	Types of Rural Settlements	12
	2.2	Patterns of Rural Settlements	
	2.3	Distribution of Rural Settlement in India	
	2.4	Contemporary Problems of Rural Settlements	
3.0		Origin of Towns and Urbanization	
	3.1	Theories of Origin of Towns 1. Gordon Childe 2. Henri Pirenne	12
	3.2	Processes and Characteristics of Urbanization	
	3.3	Trends of Urbanization and Functions of Urban Areas	
	3.4	Primate City and Rank Size Rule	
4.0		Urban Concepts	
	4.1	Concept of Megalopolis (Megacities), Conurbation, City Region, Smart City	12
	4.2	Concept of Central Business District (CBD)	
	4.3	Concept of Hinterland, Umland and its Characteristics.	
	4.4	Rural-Urban Fringe, Suburban Ring and Satellite Towns	
5.0		Models of Urban Land Use	
	5.1	Central Place Theory of Christaller.	12
	5.2	Theory of Peroux and Boudeville	
	5.3	Concentric Zone Model by E.W. Burgess	
	5.4	Sector Model by Homer Hoyte, Multiple Nuclei Model by Harris and Ullman.	
Total			60

Suggested Readings:

- 1) Alam, M., & Gopi, K. N. (1982): Settlement System of India. Oxford and IBH Publication, New Delhi.
- 2) Bose, A. (1980): India's Urbanisation Tata McGraw Hill, New Delhi.
- 3) Carter, H. (1979): The Study of Urban Geography Arnold Heinemann, London.
- 4) Haggett, P. (1965): Locational Analysis in Geography, Edward Arnold, London.
- 5) Hall, T. (2006): Urban Geography, Routledge, London.
- 6) Mandal, R. B. (2001): Introduction to Rural Settlement, Concept Publishing Company, New Delhi.
- 7) Maurya S. D. (2014): Settlement Geography, Sharda Pustak Bhavan, Allahabad.
- 8) Pacione, M. (2009): Urban Geography, Routledge, New York.
- 9) Ramchandran, R. (1997): Urbanization and Urban Systems in India, Oxford University Press, New Delhi.
- 10) Sivaramakrishnan, K. C., Kundu, A., & Singh, B. N. (2005): Handbook of urbanization in India: an analysis of trends and processes. Oxford University Press, USA.
- 11) Siddharth, K., & Mukherjee, S. (2013): Cities, Urbanization and Urban System, Kisalaya Publishing. 1, New Delhi.
- 12) Singh, R.Y. (1994). Geography of Settlements, Rawat Publications, Jaipur.
- 13) डॉ. सुरेश फुले (2011): वस्ती भूगोल, विद्या बुक्स पब्लिसर्स औरंगपुरा, औरंगाबाद.
- 14) डॉ. विठ्ठल घारपुरे (2013): वस्ती भूगोल, पिंपळापुरे अँड कंपनी पब्लिशर्स, नागपूर.
- 15) प्रा.के.ए. खतीब(1995): वसाहती भूगोल, मेहता पब्लिशिंग हाऊस, पुणे.
- 16) प्रा.के.ए. खतीब(1995): नागरी भूगोल, मेहता पब्लिशिंग हाऊस, पुणे.
- 17) डॉ. आर.सी. तिवारी (2009): अधिवास भूगोल, प्रयाग पुस्तक भवन, इलाहबाद.
- 18) डॉ. सतनाम सिंह(2008): अधिवास भूगोल, विश्व भारती पब्लिसर्स, नई दिल्ली.
- 19) डॉ. एस. डी. मौर्य(2007): अधिवास भूगोल, शारदा पुस्तक भवन, इलाहबाद.
- 20) डॉ. सर्वेश्वर नाथ सिंह (2010): अधिवास भूगोल, राधापब्लिकेशन, नई दिल्ली.
- 21) माजीद हुसेन (2007): मानव भूगोल, रावत पब्लिकेशन, जयपूर.
- 22) राजेश शुक्ला, रश्मी शुक्ला (2009): अधिवास भूगोल, अर्जुन पब्लिशिंग हाउस, नई दिल्ली.
- 23) रामयज्ञ सिंह (2005): अधिवास भूगोल, रावत पब्लिकेशन, जयपूर.
- 24) राजेश शुक्ला, रश्मी शुक्ला (2009): नागरीय भूगोल, अर्जुन पब्लिशिंग हाउस, नई दिल्ली.
- 25) सुरजदेव बसंत (2005): मानव भूगोल, अर्जुन पब्लिशिंग हाउस, नई दिल्ली.



Swami Ramanand Teerth Marathwada University, Nanded

Faculty of Humanities Major in Geography DSC

Post Graduate -Second Year Programme, Semester Third

Paper Code: HGEOC603 Paper Title: *Practical Geography (Major)*

Curriculum Details

Course pre-requisite:

1. Books, Maps, Globe, Models
2. ICT

Course objectives:

- To familiarize the students with statistical techniques.
- 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.
- Develop an understanding of the nature and limitations of data used in geographical analysis
- Interpret the result.



Swami Ramanand Teerth Marathwada University, Nanded

Faculty of Humanities Major in Geography DSC

Paper Code: HGEOC603 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		Quantitative Techniques	
	1.1	Measurement of Central Tendencies: Mean, Mode and Median in Simple, Discrete and Continuous Series	24
	1.2	Measures of Deviation i. Mean Deviation ii. Quartile Deviation iii. Standard Deviation	
	1.3	Chi-Square Test and Standard Error	
	1.4	Regression Equation and Regression Line	
2.0		Techniques in Settlement Geography	
	2.1	Demangaon Method of Degree of Dispersion	24
	2.2	Bernhards Method of Degree of Dispersion	
	2.3	Debougeries Method of Degree of Dispersion	
	2.4	Nearest Neighbour Method	
3.0		Practical in Agricultural Geography	
	3.1	Crop Combination by Weaver's and Thomas' Method.	24
	3.2	Crop Concentration by Bhatia's Methods	
	3.3	Crop Diversification by Bhatia's Method.	
	3.4	Measurement of Agriculture Efficiency by Kendall's and Jasbirsing's Method	
4.0		Distributional Maps	
	4.1	Isopleth Maps	24
	4.2	Choropleth Maps	
	4.3	Dot Maps	
	4.4	Flow- Line Maps	
5.0		Line Graph, Bar Graph and Pyramid Diagrams	
	5.1	Line and Bar Graphs (Simple and Multiple)	24
	5.2	Simple Pyramid Diagram	
	5.3	Superimposed Pyramid Diagram	
	5.4	Compound Pyramid Diagram (Interpretation of results should be given for all methods and prepare suitable charts to represents data)	
Total			120

Suggested Readings:

- 1) Croxton & Cowden: Applied General Statistics
- 2) Hammod & Mc Gullah: 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: प्रात्यक्षिक भूगोल, रस्तोगीप्रकाशन, मेरठ.
- 12) डॉ. डी. वाय. अहिरराव, प्रा.इ.के. करंजखेले (2010): प्रात्यक्षिक भूगोल; सुदर्शन प्रकाशन, गंगापूर रोड, नाशिक.
- 13) डॉ. नागतोडे व लांजेवार(2009): नकाशाशास्त्र व प्रात्यक्षिक भूगोल; पिंपळापुरे अँड कंपनी पब्लिशर्स, नागपूर
- 14) डॉ. कनकुरे, डॉ.मानकरी, रमेश मुगावे(2012): प्रात्यक्षिक भूगोल, अरुणा प्रकाशन, लातूर.
- 15) डॉ. अर्जुन कुंभार (2003): प्रात्यक्षिक भूगोल, सुमेरू प्रकाशन, डोंबिवली.
- 16) हरिलाल यादव (2011): प्रायोगिक भूगोल, राधा पब्लिकेशनस, नई दिल्ली.
- 17) जयकुमार मगर: प्रात्यक्षिक भूगोल, विद्या प्रकाशन, नागपूर.
- 18) पी. एल. मिश्र (2010): प्रायोगिक भूगोल, विश्व भारती पब्लिकेशनस, नई दिल्ली.
- 19) रामचंद्र तिवारी, सुधाकर त्रिपाठी (2009): प्रायोगिक भूगोल, प्रयाग पुस्तक भवन, इलाहाबाद.



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

Post Graduate -Second Year Programme, Semester Third

Paper Code: HGEOE601 Paper Title: *Geography of India (Major Elective)*
Curriculum Details

Course pre-requisite:

1. Books, Maps, Globe, Models
2. ICT

Course objectives:

- To know the physical regions, climatic regions and natural resources of India.
 - To provide in depth knowledge about Indian geography.
 - To prepare students for various competitive examinations.

Course outcomes:

Student will be able to

- To depth understanding the dimensions and physiography of India.
- The students are fully aware about the climatic season in India.
- Detailed knowledge about the economics setup of the India.



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

Paper Code: HGEOE601 Paper Title: Geography of India (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		Location, Physical Regions and Drainage	12
	1.1	Location of India	
	1.2	India in the context of South and South East Asia	
	1.3	Physical Regions of India	
	1.4	Drainage System of India	
2.0		Climate	12
	2.1	Regional and Seasonal Variations of Climate	
	2.2	The Indian Monsoon - Mechanism and Characteristics	
	2.3	Climatic Regions of India	
	2.4	Western Disturbance and Nor-westers	
3.0		Natural Resources	12
	3.1	Soil and Forests: Types, Characteristics and Distribution	
	3.2	Minerals Resource: Iron-Ore and Manganese	
	3.3	Power Resources: Coal and Petroleum	
	3.4	Non-Conventional Resources: Solar and Wind	
4.0		Agriculture and Industry	12
	4.1	Importance of Agriculture in Indian Economy, Green Revolution	
	4.2	Major Crops: Sugarcane and Rice (Distribution, Production and Trade)	
	4.3	Importance of Industries in Indian Economy	
	4.4	Industries: Sugar Industry & Iron and Steel Industry (Distribution, Production and Trade)	
5.0		Population and Contemporary Issues	12
	5.1	Spatial Distribution of Population and Density	
	5.2	Composition of Rural and Urban Population (Age and Sex Ratio)	
	5.3	Slums and Poverty	
	5.4	Gender Discrimination and Women Empowerment	
Total			60

Suggested Readings:

1. Deshpande C.D. (1992) India: A Regional Interpretation, Northern Book centre, New Delhi.
2. Routray J.K. (1993) Geography of Regional Disparity, Asian Institute of Technology, Bangkok.
3. Singh R.L. (1971) Indian A Regional Geography: National Geographical Society India, Varanasi.
4. Hussain Majid (2018) Geography of India, McGraw Hill Education (India) Chennai Pvt.Ltd.
5. Bhatt M. S. (2004) Poverty and Food Security in India: Problems and Policies, Aakar Press, Delhi.
6. Govt. of India (2001) India-References Annual 2001, Pub.Div., New Delhi.
7. Govt. of India (1965) The Gazetteer of India, Vol.1 & 3 Publication Division, New Delhi.
8. डॉ.एस.टी.शेटे, डॉ.के.बी. कनकुरे, प्रा.सोमनाथ बिरादार, प्रा.शिंंगे (2004): भारताचा भूगोल, अभिजित प्रकाशन, लातूर.
9. डॉ.पांडुरंग केचे (2003): भारताचा भूगोल, कैलास प्रकाशन, औरंगाबाद.
10. डॉ.जयकुमार मगर (2008): भारताचा भूगोल, विद्या प्रकाशन, नागपूर.
11. डॉ.सुभाषचंद्र सारंग (2006): भारताचा भूगोल, विद्या प्रकाशन, नागपूर.
12. डॉ.विठ्ठल घारपुरे (2004) भारताचा भूगोल, पिंपळापुरे प्रकाशन नागपूर.
13. डॉ.सुनिता शिंदे (2008): भारताचा भूगोल, कैलास प्रकाशन, औरंगाबाद.
14. डॉ.कुसुम ढोणे (2014): भारताचा भूगोल, अरुणा प्रकाशन, लातूर.
15. डॉ.पी.एच. खराटे (2016): भारताचा भूगोल, प्रशांत प्रकाशन, जळगाव.
16. डॉ.ए.पी. चौधरी (2013): भारताचा प्रादेशिक भूगोल, प्रशांत प्रकाशन, जळगाव.
17. डॉ.महेंद्रकुमार मिश्रा (2010): भारत का भूगोल, रितू पब्लिकेशन, जयपूर.



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

Post Graduate -Second Year Programme, Semester Third

Paper Code: HGEOE602 Paper Title: *Geography of Health (Major Elective)* OR

Curriculum Details

Course pre-requisite:

1. Books, Maps, Globe, Models
2. ICT

Course objectives:

The objectives of this course are:

- To acquaint the students with the role of geographical factors, viz., physical, demographic, social and economic, influencing the spatial distribution of diseases;
- To highlight the relation of health with nutrition, environmental degradation and urbanization;
- To decipher the causes of the changing disease pattern, and
- To make the students abreast of existing health-care facilities, so as to train them with better health care planning for the country.

Course outcomes:

Students will be able to

- Understand health issues in its spatial context.
- Extrapolate influence of place and location on human health.
- Analyze spatial patterns of disease and health care provisions.
- Apply geographical concepts and techniques to health-related problems.



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

Paper Code: HGEOE 602 Paper Title: Geography of Health (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 Health Geography	12
	1.2	Development of Health Geography	
	1.3	Significance of Study of Health Geography	
	1.4	Dualism between Medical and Health Geography	
2.0		Factors Affecting on Human Health and Diseases	
	2.1	Physical factors-Relief, Climate, Soils and Vegetation	12
	2.2	Social and Economic Factors-Population Density, Literacy, Social Customs, Poverty, Food and nutrition, Standard of living	
	2.3	Environmental Factors-Urbanization, Congestion, Pollution and Solid Waste	
	2.4	Human Ecology of Disease	
3.0		Classification of Diseases	
	3.1	Genetic, Communicable and Non-Communicable	12
	3.2	Occupational Diseases	
	3.3	Deficiency Diseases	
	3.4	Pattern of World Distribution of Major Diseases	
4.0		Diseases and Health Care	
	4.1	Causes, Ecology, Etiology and Transmission of Cholera, Malaria, Tuberculosis, Hepatitis, Leprosy, AIDS and STDS	12
	4.2	Health Care Planning in India	
	4.3	Health Care Policies in India	
	4.4	Primary Health Care and Health for all Programmes	
5.0		Developmental Changes and Human Health	
	5.1	Context of Population Change	12
	5.2	Mobility and Exposure	
	5.3	Ecological Complication	
	5.4	Urbanization and Health, Emerging Diseases	
Total			60

Suggested Readings:

- 1) Brown, T., Mc Lafferty, S., Moon, G. (2010): A Companion to Health and Medical Geography, Wiley Blackwell, UK.
- 2) Curtis, S. (2004): Health and Inequality: Geographical Perspectives Sage Publications, London.
- 3) Hazra, J. (Ed.) (1997): Health Care Planning in Developing Countries, University of Calcutta.
- 4) May, J. M. (1959): Ecology of Human Diseases, M.D. Publications, New York.
- 5) Meade M., & Earickson R. (2006): Medical Geography, Rawat Publications, Jaipur.
- 6) Misra R. P. (2007): Geography of Health: a treatise on geography of life and death in India, Concept Publishing company, New Delhi.
- 7) Pati, B. and Harrison, M. (2009): The Social History of Health and Medicine in Colonial India, Routledge, London.
- 8) Philips, D. R. (1990): Health and Health Care in Third world, Longman, London
- 9) Stamp, L. D. (1964): Geography of Life and Death, Cornell University, Ithaca.



Swami Ramanand Teerth Marathwada University, Nanded

Faculty of Humanities Major in Geography **RP**

Post Graduate -Second Year Programme, Semester Third

Paper Code: HGEORP601 Paper Title: *Research Project (RP)*

Curriculum Details

Course pre-requisite:

1. Books, Maps, Globe, Models
2. ICT

Course objectives:

- To provide depth knowledge of 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 project in geographical phenomena.
- Design the project in geographical approach.
- Enhance the ability to choose appropriate title of the project.
- Adopt the research skill in quantitative and qualitative methods in project.



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

Paper Code: HGEORP601 Paper Title: *Research Project (RP)*

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	Social Survey	12
	1.2	Objectives of Social Survey	
	1.3	Types of Social Survey	
	1.4	Planning of Social Survey	
2.0		Review of Literature	
	2.1	Formation of Problems in Social Research	12
	2.2	Concepts	
	2.3	Hypothesis	
	2.4	Objectives	
3.0		Sampling Technique	
	3.1	Meaning Definition	12
	3.2	Steps in Sampling	
	3.3	Types of Sampling	
	3.4	Problems of Sampling	
4.0		Case study Method	
	4.1	Definition and Characteristics of Case Study	12
	4.2	Assumptions of Case Study	
	4.3	Procedure of Case Study	
	4.4	Merit and Demerits of Case Study	
5.0		Report Writing	
	5.1	Report Writing	12
	5.2	Analysis and finding	
	5.3	Suggestions	
	5.4	Presentation and Report Submission	
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, Mettinen.
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, कोल्हापूर.
16. डॉ. गंगाधर कायदे पाटील (2006): संशोधन पद्धती, चैतन्य पब्लिकेशन्स, नाशिक-12



Swami Ramanand Teerth Marathwada University, Nanded

Under the Faculty of Humanities

SYLLABUS

GEOGRAPHY

M.A./M.Sc. SECOND YEAR

SEMESTER PATTERN

SEMESTER FOURTH

**Effective from Academic year 2024-2025
As per NEP-2020**



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

Post Graduate -Second Year Programme, Semester Second
Paper Code: HGEOC651 Paper Title: Agriculture Geography (Major)
Curriculum Details

Course pre-requisite:

1. Books, Maps, Globe, Models
2. ICT

Course objectives:

- To familiarize the students with the concept, origin and development of agriculture
- To aware about the agricultural patterns.
- To acquire the concept of land capability and land suitability.
- To understand the cropping pattern, crop diversification, crop concentration and Crop Combination.

Course outcomes:

Students will be able to

- Understand the concept of land capability and land suitability
- Identify the agriculture regions based on various methods
- Students will familiarize themselves with the application of various theories, models.
- Classification schemes of cropping patterns and productivity.



Swami Ramanand Teerth Marathwada University, Nanded

Faculty of Humanities Major in Geography **DSC**

Paper Code: HGEOC651 Paper Title: *Agriculture 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	
	1.1	Definition, Nature and Scope of Agricultural Geography.	12
	1.2	Origin and Evolution of Agriculture.	
	1.3	Approaches to the Study of Agricultural Geography: Systematic and Regional Approach	
	1.4	Relationship with Allied Sciences	
2.0		Land use, Land Capability and Land Suitability	
	2.1	Meaning, Need, Objectives and Approaches of Land use Study.	12
	2.2	Land Capability	
	2.3	Land Suitability	
	2.4	Determinants of Agricultural Land Use: Physical, Economic, Social and Technological.	
3.0		Methods of Agricultural Regionalization	
	3.1	Concept of Agricultural Regionalization	12
	3.2	Crop Concentration	
	3.3	Crop Diversification	
	3.4	Crop Combination and Agricultural Productivity	
4.0		Agricultural Land Use Theory	
	4.1	Von-Thunen's Theory of Agricultural Location and its Recent Modifications	12
	4.2	Whittlesey's Classification of Agricultural Region	
	4.3	Decision Making Model or Behavioural Model.	
	4.4	Diffusion Model	
5.0		Major issues in Indian Agriculture	
	5.1	Green Revolution	12
	5.2	White Revolution	
	5.3	Drought and Food Security	
	5.4	Environmental Degradation	
Total			60

Suggested Readings:

1. Bayliss Smith, T.P. (1987): The Ecology of Agricultural Systems. Cambridge University Press, London.
2. Berry, B.J.L.et.Al (1976): The Geography of Economic Systems. Prentice Hall, New York.
3. Brown, L.R. (1990): The Changing world Food Prospects- The Nineties and Beyond. World Watch Institute, Washington D.C.
4. Dyson,T.(1996): Population and Food- Global Trends and Future Prospects, Routledge, London.
5. Gregor,H.P.(1970): Geography of Agriculture. Prentice Hall, New York.
6. Grigg, D.B. (1974): The Agricultural Systems of the World, Cambridge University Press, New York.
7. Grigg, D. (1995): An Introduction to Agricultural Geography, Routledge, London.
8. Hussain, M. (1978): Agricultural Geography, Rawat Publication, Jaipur.
9. Singh, J., & Dhillon, S. S. (1994): Agricultural Geography, Tata McGraw Hill Publishing Co. Ltd.New Delhi.
10. Symons, L. (1970). Agricultural Geography, G. Bell and Sons Ltd. London.
11. Vaidya, B. C. (1997): Agricultural Land use in India, Manak Publications, New Delhi.
12. डॉ. सुरेश फुले (2000): कृषि भूगोल, विद्याभारती प्रकाशन, लातूर.
13. डॉ. विठल घारपुरे (2016): कृषि भूगोल, पिंपळापुरे अँड कंपनी पब्लिशर्स, नागपूर.
14. डॉ. अरुण कुंभारे (2004): कृषि भूगोल, पायल पब्लिकेशन,पुणे.
15. डॉ.विजया सोळंके (2003): कृषि भूगोल, सेठ पब्लिशर्स प्रायव्हेट लि.नागपूर.
16. डॉ. प्रकाश सावंत (2009): कृषि भूगोल, फडके प्रकाशन, कोल्हापूर.
17. डॉ.चंद्रशेखर यादव (2012): कृषि भूगोल, विश्वभारती पब्लिकेशन,दिल्ली.
18. डॉ.इंदिरासिंह (2007): कृषि भूगोल, डिस्कवरी पब्लिशिंग हाऊस, नई दिल्ली.
19. माजिद हुसेन (2010): कृषि भूगोल, रावत पब्लिकेशन्स, दिल्ली.
20. सत्यद्र अग्रवाल (2012): कृषि भूगोल, इशिका पब्लिशिंग, जयपूर.



Swami Ramanand Teerth Marathwada University, Nanded

Faculty of Humanities Major in Geography **DSC**

Post Graduate -Second Year Programme, Semester Fourth

Paper Code: HGEOC652 Paper Title: *Geography of Regional Planning (Major)*
Curriculum Details

Course pre-requisite:

1. Books, Maps, Globe, Models
2. ICT, Field Visit

Course objectives:

- To provide in depth knowledge about Geography of Regional Planning
- To prepare students for various competitive examinations.
- To nurture scientific and research approach among the students.

Course outcomes:

Students will be able to

- To help students to know the significance of regional planning in regional and economic development
- Understand the Models and theories of analysis.
- The students will develop ability to conduct Regional Planning.



Swami Ramanand Teerth Marathwada University, Nanded

Faculty of Humanities Major in Geography **DSC**

Paper Code: HGEOC652 Paper Title: *Geography of Regional Planning (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	Meaning and Objectives of Regional Planning	
	1.2	Concept of Region and Regionalism	
	1.3	Types of Regions in the Context of Planning	
	1.4	Methods of Regional Delineation	
2.0		Types of Planning	12
	2.1	Physical and Economic Planning	
	2.2	Development and Imperative Planning	
	2.3	Single and Multilevel Planning	
	2.4	Short Term and Long Term Planning	
3.0		Concept of Growth and Development	12
	3.1	Concept of Growth and Development	
	3.2	Indicators of Development	
	3.3	Measures of Regional Development	
	3.4	Regional Imbalances in India – Agricultural, Industrial, Rural - Urban	
4.0		Models and Theories	12
	4.1	Rostow's Model of Stages in Historical Growth	
	4.2	Myrdal's Concept of Internal Growth	
	4.3	Central Place Theory	
	4.4	Growth Pole and Growth Foci Approach	
5.0		Regional planning in India	12
	5.1	Rural Development Planning	
	5.2	Tribal Area Development Planning	
	5.3	Metropolitan Planning	
	5.4	Regional Problems in India	
Total			60

Suggested Readings:

1. Bhat L.S. (1973): Regional Planning in India, Statistical Publishing Society, Calcutta.
2. Chorley, R.J. and Hagget, P. (1967): Models in Geography, Methuen, London.
3. Kuklinski, A.R. (ed) (1972): Growth poles and Growth Centers in Regional planning, Mouton, The Hague.
4. Gosal G.S. and Krishan G. (1984): Regional Disparities in Levels of Socio – Economic Development in Punjab, Vishal publications, Kurukshetra.
5. Government of India, planning Commission (1961): Third Five-year Plan, Chapter on regional Imbalances in Development, New Delhi.
6. Kundu, A and Raza, Moonis (1982): Indian Economy- The Regional Dimension, Spectrum Publishers, New Delhi.
7. Minahull R. (1968): Regional Geography, Hutchinson Co. Ltd, London.
8. Glikson, Arthur (1955): Regional Planning and Development, Netherlands Universities foundation for international Cooperation, London.
9. Christaller w. (1966): Central Places in Southern Germany, Translated by C.W. Baskin. Prentice Hall. Englewood Cliffs, New Jersey.
10. प्राचार्य डॉ. हरिदास राठोड, डॉ. नितीन देशमुख, डॉ. सुनील राठोड (2021): प्रादेशिक नियोजन भूगोल, श्रद्धा पब्लिकेशन, सोलापूर.



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

Post Graduate -Second Year Programme, Semester Fourth

Paper Code: HGEOC653 Paper Title: *Practical Geography (Major)*
Curriculum Details

Course pre-requisite:

1. Books, Maps, Globe, Models
2. ICT

Course objectives:

- To introduce the recent techniques of RS and GIS.
- To give the skill of interpretation of aerial photographs.

Course outcomes:

Students will be able to

- Understand the techniques of RS and GIS.
- Interpret the aerial photographs.
- Prepare the excursion and village survey report.



Swami Ramanand Teerth Marathwada University, Nanded

Faculty of Humanities Major in Geography **DSC**

Paper Code: HGEOC653 Paper Title: *Practical Geography (Major)*

Curriculum Details: (for 2 Credits)

Module No.	Unit No.	Name of Topic	Hrs. Required to cover the contents 1 Hr.=60 Min.
1.0		Introduction to Remote Sensing	
	1.1	Meaning and Application of Remote Sensing	15
	1.2	Fundamentals of Remote Sensing	
	1.3	Types of Remote Sensing	
2.0		Aerial Photography	
	2.1	Types of Aerial Photography	15
	2.2	Problems on Scale of Aerial Photo	
	2.3	Flying Height and Terrain Height	
3.0		Geographical Information System (GIS): Concept and Application	
	3.1	GIS: Definition and Development	15
	3.2	GIS: Elements, Concept and Components	
	3.3	Application of GIS	
4.0		Tour and Preparation of Report	
	4.1	Students to be taken on a Tour to nearby Village/ Town/ Tourist Places. To prepare contour plan by using Dumpy level.	15
	4.2	To identify the landforms on the surface, while in the field. Also note the agents of erosion, transportation and deposition associated with the landforms	
	4.3	To prepare the report with maps, sketches, Note cam photographs etc.	
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 Raigz: 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: प्रात्यक्षिक भूगोल, रस्तोगी प्रकाशन, मेरठ.
- 17) डॉ. डी. वाय. अहिरराव, प्रा.इ.के. करंजखेले (2010): प्रात्यक्षिक भूगोल; सुदर्शन प्रकाशन, गंगापूर रोड, नाशिक.
- 18) डॉ. नागतोडे व लांजेवार (2009): नकाशाशास्त्र व प्रात्यक्षिक भूगोल; पिंपळापुरे अँड कंपनी पब्लिशर्स, नागपूर
- 19) डॉ. कनकुरे, डॉ. मानकरी, रमेश मुगावे (2012): प्रात्यक्षिक भूगोल, अरुणा प्रकाशन, लातूर.
- 20) डॉ. अर्जुन कुंभार (2003): प्रात्यक्षिक भूगोल, सुमेरू प्रकाशन, डोबीवली.
- 21) हरिलाल यादव (2011): प्रायोगिक भूगोल, राधा पब्लिकेशनस, नई दिल्ली.
- 22) जयकुमार मगर: प्रात्यक्षिक भूगोल, विद्या प्रकाशन, नागपूर.
- 23) पी. एल. मिश्र (2010): प्रायोगिक भूगोल, विश्व भारती पब्लिकेशनस, नई दिल्ली.
- 24) रामचंद्र तिवारी, सुधाकर त्रिपाठी (2009): प्रायोगिक भूगोल, प्रयाग पुस्तक भवन, इलाहाबाद.



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

Post Graduate -Second Year Programme, Semester Fourth

Paper Code: HGEOE651 Paper Title: *Geography of Maharashtra (Elective)*
Curriculum Details

Course pre-requisite:

1. Books, Maps, Globe, Models
2. ICT, Field Visit

Course objectives:

- To provide in depth knowledge about Maharashtra.
- To introduce the regional Geographical aspects.
- To make aware about physical profile of Maharashtra.
- To prepare students for various competitive examinations.

Course outcomes:

Students will be able to

- Understand the location, history and formation of Maharashtra.
- Familiar about the geographical profile of Maharashtra.
- Know the nature of climate, season and drainage pattern of Maharashtra.



Swami Ramanand Teerth Marathwada University, Nanded

Faculty of Humanities Major Elective in Geography **DSE**

Paper Code: HGEOE651 Paper Title: *Geography of Maharashtra (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		Location and Major Aspects	
	1.1	Maharashtra in the Context of India.	12
	1.2	Physical Regions and Major Drainage Systems of Maharashtra	
	1.3	Regional and Seasonal Variations of Climate.	
	1.4	Climatic Regions of Maharashtra.	
2.0		Soil, Vegetation and Minerals	
	2.1	Soil Types, Their Characteristics and Distribution.	12
	2.2	Forest Resources of Maharashtra.	
	2.3	Mineral Resources of Maharashtra	
	2.4	Power Resources of Maharashtra	
3.0		Agriculture and Major Crops	
	3.1	Agricultural Land use Pattern of Maharashtra	12
	3.2	Production and Distribution of Major Crops i) Jowar ii) Cotton iii) Sugarcane.	
	3.3	Sources of Irrigation.	
	3.4	Problems and Prospects of Irrigation.	
4.0		Industries and Industrial Regions	
	4.1	Industrial Development in Maharashtra,	12
	4.2	Problems of Industrial Sector in Maharashtra.	
	4.3	Industrial Regions in Maharashtra.	
	4.4	Major Industries in Maharashtra. i) Sugar Industry ii) Cotton Textile Industry iii) Automobile Industry d) Electronic Industry	
5.0		Population and Contemporary Issues	
	5.1	Population Growth Distribution.	12
	5.2	Socio-economic Characteristics.	
	5.3	Contemporary Issues in Maharashtra: Droughts, Social and Ethnic Tensions.	
	5.4	Regional Disparity in Social and Economic Develop.	
Total			60

Suggested Readings:

1. Arunachalam B (1967): Maharashtra – Bombay.
2. Deshpande C.D. (1971): Geography of Maharashtra –National Book Trust – India.
3. Das P.K. (1968): The Monsoons National Book Trust India.
4. Govt. of India, Census of India, Gazetteers of India.
5. Govt. of Maharashtra – District Gazetteers – Economic Review.
6. Arunachalam B (1967): Maharashtra – Bombay.
7. Deshpande C.D. (1971): Geography of Maharashtra –National Book Trust – India.
8. Das P.K. (1968): The Monsoons National Book Trust India.
9. Govt. of India, Census of India, Gazetteers of India.
10. Govt. of Maharashtra – District Gazetteers – Economic Review.
11. Spate O H K & Learmonth ATA (1969): India and Pakistan, Methuen London.
12. Sing R.L. India (1971): A Regional Geography, National Geographical society India. Varanasi.
13. Wadia D.N. (1957): Geology of India. Macmillan.
14. डॉ.पांडुरंग केचे (2003): महाराष्ट्राचा भूगोल, कैलास प्रकाशन, औरंगाबाद.
15. डॉ.सुरेश फुले (2009): महाराष्ट्र भूगोल, विद्या बुक्स पब्लिशर्स, नागपूर.
16. टी.पी. पाटील (1998): महाराष्ट्र भूगोल, पिंपळापुरे अँड कंपनी पब्लिशर्स, नागपूर
17. प्रा.ए.बी. सवदी (2012): महाराष्ट्र भूगोल, निराली प्रकाशन, पुणे.
18. प्रा.के.ए. खतीब (2010): महाराष्ट्र भूगोल, के. सागर पब्लिकेशन, पुणे.



Swami Ramanand Teerth Marathwada University, Nanded

Faculty of Humanities Major in Geography **DSE**

Post Graduate -Second Year Programme, Semester Fourth

**Paper Code: HGEOE652 Paper Title: *Social and Cultural Geography (Elective)* OR
*Curriculum Details***

Course pre-requisite:

1. Books, Maps, Globe, Models
2. ICT, Field Visit

Course objectives:

- To provide in depth knowledge about social and cultural geography
- The students aware about the social differentiation and region formation
- To understand cultural regions, cultural diffusion and cultural regions in the world
- The students aware about social justice and social development.

Course outcomes:

Students will be able to

- Understand concept of society and culture.
- Identify the social differentiation and region formation.
- Realize the cultural diffusion and world cultural realms.
- Understand the social justice, social development and wellbeing



Swami Ramanand Teerth Marathwada University, Nanded

Faculty of Humanities Major Elective in Geography **DSE**

Paper Code: HGEOE652 Paper Title: *Social and Cultural Geography (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 Social and Cultural Geography.	12
	1.2	Significance of Social and Cultural Geography.	
	1.3	Society and Culture as Essential Elements of Geographical Studies.	
	1.4	Relationship between Social Geography and Other Social Sciences	
2.0		Social Aspects	
	2.1	Social Differentiation and Region Formation.	12
	2.2	Role of Ethnicity, Caste, Tribe, Language.	
	2.3	Religion in Social Diversity and Region Formation in India.	
	2.4	North-South, Socio-Cultural Diversity of India.	
3.0		Cultural Aspects	
	3.1	Concept of Culture, Cultural Areas and Culture Regions.	12
	3.2	Cultural Hearths.	
	3.3	Cultural Diffusion.	
	3.4	World Cultural Realms.	
4.0		Theories of Race	
	4.1	Concept of Race.	12
	4.2	Types of Races	
	4.3	Races of India	
	4.4	Griffith Taylor's Theory of Race	
5.0		Indicators of Social Development	
	5.1	Concept of Social Justice and Fair Society.	12
	5.2	Social Development and Indicators of wellbeing.	
	5.3	Levels of Development of wellbeing	
	5.4	Wellbeing in Social Development in India.	
Total			60

Suggested Readings

1. Ahmad, Aijiazuddin (1999): Social Geography, Rawat Publication, New Delhi.
2. Crang, Milke (1989): The struggle for survival, oxford University Press, Delhi.
3. De Blij. H.D. Human Geography, John Wiley and Sons, New York.
4. Dreze jean, Amartyasea, (1996): Economic Development and social opportunity, Oxford University Press, New Delhi.
5. Dubey S.C. (1991): Indian Society, National book trust, New Delhi.
6. Gregory, D and J.Larry, (eds.) (1985): Social relations and spatial structures, McMillan.
7. G.S. Mohanthy (2005): Social and Cultural Geography, Isha Books Delhi.
8. Hazra, (ed)(1997): Dimensions in Human Geography, Rawat publication, Jaipur.
9. Haq. Mahbul: Reflections on Human Development, Oxford University press, New Delhi.
10. Massey, et.al (ed)(1999): Human Geography Today, polity press, Cambridge.
11. Maloney, Clarence (1974): People of South Asia, Winston, New York.
12. Planning Commission, Government of India, Report on development of Tribal areas 1981.
13. Rao, M.S.A. (1970): Urban Sociology in India: Orient Longman.
14. डॉ. विठल घरपुरे (2008): सामाजिक आणि सांस्कृतिक भूगोल, पिंपळापुरे अँड कंपनी पब्लिशर्स, नागपूर.



Swami Ramanand Teerth Marathwada University, Nanded
Faculty of Humanities in Geography (Research Project) Semester Fourth

Paper Code: HGEORP651 Paper Title: *Research Project(RP)*

Curriculum Details:(for 6 Credits)

Course pre-requisite:

1. Books, Maps, Globe, Models
2. ICT

Course objectives:

- To provide depth knowledge of 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 research project in geographical phenomena.
- Design the research project in geographical approach.
- Enhance the ability to choose appropriate title of the research project.
- Adopt the research skill in quantitative and qualitative methods in research project.



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

Semester Fourth

Paper Code: HGEORP651 Paper Title: *Research Project (RP)*

Curriculum Details: (for 6 Credits)

Module No.	Unit No.	Name of Topic	Hrs. Required to cover the contents 1 Hr.=60 Min.
1.0		Introduction	
	1.1	Definition of Research Project.	12
	1.2	Types of Research Project.	
	1.3	Signification of Research Project.	
	1.4	Selection of Topic for Research Project.	
2.0		Review of Literature	
	2.1	Review of Literature.	12
	2.2	Problems of Research Project.	
	2.3	Objectives of Research Project.	
	2.4	Methodology.	
3.0		Data Collection	
	3.1	Primary Data Collection and its Sources.	12
	3.2	Secondary Data Collection and its Sources.	
	3.3	Observation Method.	
	3.4	Questionnaire Data Collection.	
4.0		Report Writing	
	4.1	Introduction of Report Writing Analysis	12
	4.2	Objective Data Collection	
	4.3	Use of Computer (Graphs, Creation of Map, Creation of Table)	
	4.4	Suggestions, Conclusion	
	4.5	Summary	
5.0		Viva Voce	
	5.1	Presentation	12
	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. डॉ. गंगाधर कायदे पाटील (2006): संशोधन पद्धती, चैतन्य पब्लिकेशन्स, नाशिक-12
6. डॉ. दा.भो. काचोळे (2005): सामाजिक संशोधन पद्धती, कैलाश पब्लिकेशन्स, औरंगाबाद.
7. डॉ. बी. एम. कराळे (2011): शास्त्रीय संशोधन पद्धती, पिंपळापुरे अँड कंपनी पब्लिशर्स, नागपूर.
8. प्रा. एस.एन. गंदेवार (2011): सामाजिक संशोधन पद्धती, विद्याभारती प्रकाशन, लातूर.
9. प्रा. नीलमधुरी (2008): संशोधन पद्धती, फडके प्रकाशन, कोहलापूर.
10. प्रा. ग. वि.कुंभोजकर (1990): संशोधन पद्धती व संख्याशास्त्र, फडके प्रकाशन, कोहलापूर.

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:

- 1. Two Credit Assigned: - Average of Test 1+Test 2+Assignment/3 (10+10+10=30/3=10Marks)**
- 2. Four Credit Assigned: - Average of Test 1+Test 2+Assignment/3 (20+20+20=60/3=20Marks)**
- 3. Six Credit Assigned: - Average of Test 1+Test 2+Assignment/3 (30+30+30=90/3=30Marks)**

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, Theory paper for a two-credit course, 30 lectures each of one hour duration are assigned, while that for a three credit course 45 lectures. Practical one credit course, 30 Lectures of one hours duration.

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

Post Graduate -Second Year Programme, Semester III and IV

End of Semester Examination (ESE)
Theory Question Paper Pattern (4 Credits)
With effective from 2024-25

Time: 3 Hours

Marks :80

Q1. Write a short answer on any two of the following (20)

- Short Answer
- Short Answer
- Short Answer
- 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

Note:

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



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

Post Graduate -Second Year Programme, Semester III

Paper Code: HGEOC603 Paper Title: *Practical Geography (Major)*

End of Semester Examination (ESE)

Practical Question Paper Pattern (4 Credits)

With effective from 2024-25

Time: 3 Hours

Marks :80

Q.1.	a) Measurement of Central Tendencies (Any one)	05
	b) Measures of Deviation (Any one)	05
	c) Line, Bar graphs (Any one)	05
	d) Pyramid diagrams (Any one)	05
Q.2.	a) Chi square test/ Regression Equation/ Regression Line (Any one)	15
	b) Distributional Maps (Any one)	10
Q.3.	a) Techniques in Settlement Geography Methods (Any one)	10
	b) Practical in Agricultural Geography Methods (Any one)	15
Q.4	Journal and Viva voce	10



Swami Ramanand Teerth Marathwada University, Nanded

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

Post Graduate -Second Year Programme, Semester IV

Paper Code: HGEOC 653 Paper Title: *Practical Geography (Major)*

End of Semester Examination (ESE)

Practical Question Paper Pattern (2 Credits)

With effective from 2024-25

Marks :40

Q.1.	a) Remote sensing (Any one)	10
	b) Aerial Photography (Any one)	05
Q.2.	Geographical Information System (GIS)	05
Q.3.	Tour report	10
Q.4	Journal and Viva voce	10