



॥ 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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मानवविज्ञान विद्याशाखे अंतर्गत राष्ट्रीय शैक्षणिक
धोरण २०२० नुसार पदवी द्वितीय वर्षाचे
अभ्यासक्रम (Syllabus) शैक्षणिक वर्ष
२०२५-२६ पासून लागू करण्याबाबत.

प रि प त्र क

या परिपत्रकान्वये सर्व संबंधितांना कळविण्यात येते की, दिनांक २७ मे २०२५ रोजी संपन्न झालेल्या मा. विद्यापरिषद बैठकीतील विषय क्रमांक १७/६१-२०२५ च्या ठरावानुसार मानवविज्ञान विद्याशाखेतील राष्ट्रीय शैक्षणिक धोरण-२०२० नुसारचे पदवी द्वितीय वर्षाचे अभ्यासक्रम (Syllabus) शैक्षणिक वर्ष २०२५-२६ पासून लागू करण्यास मा. विद्यापरिषदेने मान्यता प्रदान केली आहे. त्यानुसार मानवविज्ञान विद्याशाखेतील बी. ए. द्वितीय वर्षाचे खालील विषयाचे अभ्यासक्रम (Syllabus) शैक्षणिक वर्ष २०२५-२६ पासून लागू करण्यात येत आहेत.

01	B.A. English	11	B.A. N.C.C.
02	B.A. History	12	B.A. Political Science
03	B.A. Sociology	13	B.A. Administrative Service
04	B.A. Economics	14	B.A. Marathi
05	B.A. Public Administration	15	B.A. Urdu
06	B.A. Geography	16	B.A. Psychology
07	B.A. Sanskrit	17	B.A. Kannada
08	B.A. Pali	18	B.A. Hindi
09	B.A. Military Science		
10	B.A. Philosophy		

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.:शै-१/एनइपी/मानवविज्ञानपदवी/२०२५-२६/११७

दिनांक ०५.०६.२०२५




सहाय्यक कुलसचिव

शैक्षणिक (१-अभ्यासमंडळ) विभाग

प्रत : माहितीस्तव तथा कार्यवाहीस्तव.

१) मा. कुलगुरू महोदयांचे कार्यलय, प्रस्तुत विद्यापीठ.

२) मा. प्र. कुलगुरू महोदयांचे कार्यलय, प्रस्तुत विद्यापीठ.

३) मा. आधिष्ठाता, मानवविज्ञान विद्याशाखा, प्रस्तुत विद्यापीठ.

४) मा. संचालक, परीक्षा व मुल्यमापन मंडळ, प्रस्तुत विद्यापीठ.

५) मा. प्राचार्य, सर्व संबंधित संलग्नित महाविद्यालये, प्रस्तुत विद्यापीठ.

६) सिस्टीम एक्सपर्ट, शैक्षणिक विभाग, प्रस्तुत विद्यापीठ. याना देवून कळविण्यात येते की, परिपत्रक अभ्यासक्रम संकेतस्थळावर प्रसिध्द करण्यात यावेत.

**SWAMI RAMANAND TEERTH MARATHWADA
UNIVERSITY, NANDED-431606**



**(Structure and Syllabus of Four Years Multidisciplinary
Degree Program with Multiple Entry and Exit Option)**

**UNDER GRADUATE PROGRAMME OF
HUMANITIES**

Major In DSC GEOGRAPHY

Under the Faculty of Humanities

B.A./B.Sc. SECOND YEAR

(Semester Third and Fourth)

**Effect from Academic Year
2025–2026
(As per NEP-2020)**

Forward by the Dean, Faculty of Humanities...

National Education Policy 2020 has been announced on 29.07.2020. NEP 2020 proposes anew 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. High-quality 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 Graduate centers of this university and its affiliated colleges will implement the course effectively and successfully, resulting in a healthy and more creative academic ambience.

Prof. Dr. Parag Arun Khadke

Dean, Faculty of Humanities,

Swami Ramanand Teerth Marathwada University, Nanded.

From The Desk of Chairman, Board of Studies in the Subject of 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 place data 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 finally meet the need of the students at present.

Dr.Apparao A. Kalgapure

Chairman, Board of Studies of 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 and Applied Geography

Under the faculty of Humanities

<i>Sr. No</i>	<i>Name of the Member</i>	<i>Designation</i>	<i>Address</i>	<i>ContactNo.</i>
1	Dr.Apparao Annarao Kalgapure	<i>Chairman</i>	Shri.Havgiswami College,Udgir	9420215804
2	Dr.Avinash Sopanrao Kadam	<i>Member</i>	School of Earth Science (S.R.T.M. University, Nanded)	9975834724
3	Dr.Parag Arun Khadke	<i>Member</i>	School of Earth Science (S.R.T.M. University, Nanded)	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, ShirurAnantpal	9673656114
6	Dr.Sadanand Hariba Gone	<i>Member</i>	Ujwal Gramin Mahavidyalaya, Ghonsi	9822145010
7	Dr.Bhagwan Prabhakarrao Shendge	<i>Member</i>	B.Raghunath Mahavidyalaya, Parbhani	9158443555
8	Dr.Nitin Trimbakrao Deshmukh	<i>Member</i>	Mahatma Gandhi Mahavidyalaya, Ahamadpur	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
<i>Invites Member</i>				
14	Dr.M.J. Kulkarni	<i>Member</i>	M.U.Mahavidyalaya,Udgir	8208287845
15	Dr.N.M. Phad	<i>Member</i>	K.B.Patil ACS College, Hingoli	9421554796
16	Dr.Vijay Nagoji Vinkar	<i>Member</i>	Kai.B.P.E.College, Udgir	9403223512
17	Dr.H.D. Lanjewar	<i>Member</i>	S.J.S.P.M. College, Dhanora Dist.Gadchiroli	8329961121
<i>As per MUPAu/s40(2)(d)(E) invite Member</i>				
18	Ku.e Shraddha Janardhan	<i>Member</i>	B.R. ACS College, Parbhani	

SWAMI RAMANAND TEERTH MARATHWADA UNIVERSITY, NANDED**INDEX**

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Swami Ramanand Teerth Marathwada University, Nanded

Faculty of Humanities (Example-1 Three Optional)

Structure for Four Year Multidisciplinary Degree Program with Multiple Entry and Exit

Subject: **DSC** (Major)/**DSM** (Minor)

Year & Level	Semester	Optional-1	Optional-2	Optional-3	Generic Elective (GE) (Select from Basket 3 of (Faculties other than Humanities)	Vocational & Skill Enhancement Course	Ability Enhancement Course (AEC) (Basket4) Value Education Courses(VEC/ Indian Knowledge System(IKS) (Basket5) (Common across all faculties)	Field Work /Project/Internship/ OJT/Apprenticeship / Case Study Or Co-curricular Courses(CC) (Basket6forCC) (Common across all faculties)	Credits	Total Credits
1	2	3	4	5	6	7	8	9	10	11
1 (4.5)	I	HGEOCT1101 (2Cr) <i>Introduction to Physical Geography</i> HGEOP1102 (2Cr) <i>Practical Geography</i> 4Credits	HXXXCT1101 (2 Cr) HXXXCT1102 (2Cr) 4Credits	HXXXCT1101 (2 Cr) HXXXCT1102 (2Cr) 4Credits	HGEOGE1101 <i>Disaster Management</i> 2Credits	HGEOSC1101 <i>Introduction to Maps</i> 2Credits	AECENG1101(2Cr) AECXXX1102 (2Cr) (Hin, Mar, Kan. Pal, Urd. San. Etc.) IKS1101(2Cr) 6Credits		22	44
	II	HGEOCT1151 (2Cr) <i>Introduction to Human Geography</i> HGEOP1152 (2 Cr) <i>Practical Geography</i> 4Credits	HXXXCT1151 (2Cr) HXXXCT1152 (2Cr) 4Credits	HXXXCT1151 (2 Cr) HXXXCT1152 (2Cr) 4Credits	HGEOGE1151 <i>Tourism Geography</i> 2Credits	HGEOSC1151 <i>Soil testing and Analysis</i> 2Credits	AECENG1151(2Cr) AECXXX1151 (2 Cr) (Hin, Mar, Kan. Pal, Urd. San. Etc.) VECCOI1151 (2Cr) <i>Constitution of India</i> 6 Credits		22	
	Cum. Cr.	08	08	08	04	04	12	00	44	
Exit option: UG Certificate in Opt 1, Opt 2 and Opt 3 on completion of 44 credits and additional 4 credits from NSQF/Internship										

Year&Level	Semester	Major	Minor	Optional-3	Generic Elective (GE) (Select from Basket 3 of (Faculties other than Humanities))	Vocational & Skill Enhancement Course	Ability Enhancement Course (AEC) (Basket4) Value Education Courses(VEC/ Indian Knowledge System(IKS) (Basket5) (Common across all faculties)	Field Work /Project/Internship/ OJT/Apprenticeship / Case Study Or Co-curricular Courses(CC) (Basket6forCC) (Common across all faculties)	Credits	
2 (5.0)	III	HGEOCT 1201(2Cr) <i>Geomorphology</i> HGEOCT 1202(2Cr) <i>Population Geography</i> HGEOPC 1203 (2Cr) <i>Practical Geography</i> HGEOPC 1204 (2Cr) <i>Practical Geography</i> 8 Credits	HGEOMT 1201(2Cr) <i>Physical Geography of Marathwada</i> HGEOMT 1202(2Cr) <i>Social Geography</i> 4Credits	---	HGEOGE1201 <i>Watershed Management</i> 2Credits	HGEOVC1201 <i>Water Testing and Analysis</i> 2Credits	AECENG1201 (2Cr) AECXXX1201 (2Cr) (Hin, Mar, Kan. Pal, Urd. San. Etc.) 4Credits	CCCXXX1201 (NCC/NSS/Sports/Culture/ Health Wellness/Yoga Education/Fitness) 2Credits	22	88
	IV	HGEOCT 1251(2Cr) <i>Climatology</i> HGEOCT 1252(2Cr) <i>Settlement Geography</i> HGEOPC 1251(2Cr) <i>Practical Geography</i> HGEOPC 1252(2Cr) <i>Practical Geography</i> 8 Credits	HGEOMT 1251(2Cr) <i>Human Geography of Marathwada</i> HGEOMT 1252(2Cr) <i>Cultural Geography</i> 4Credits	---	HGEOGE1251 <i>Resource Management</i> 2Credits	HGEOVC1251 <i>Land Survey and Measurement</i> 2Credits	AECENG1251 (2Cr) AECXXX1251 (2Cr) (Hin, Mar, Kan. Pal, Urd. San. Etc.) VECEVS1251 (2Cr) <i>Environmental Studies</i> 6Credits	--	22	
	Cum.Cr.	24	16	08	08	4+4=08	22	02	44	
Exit option: UG Diploma in Major <u>DSC</u> and Minor <u>DSM</u> on completion of 88 credits and additional 4 credits NSQF/Internship in <u>DSC</u>										

Year & Level	Semester	Major	Elective	Minor	Optional-3		Generic Elective (GE) (Select from Basket 3 of (Faculties other than Humanities))	Vocational & Skill Enhancement Course	Ability Enhancement Course (AEC) (Basket 4) Value Education Courses (VEC/ Indian Knowledge System (IKS) (Basket 5) (Common across all faculties))	Field Work /Project/Internship/ OJT/Apprenticeship / Case Study Or Co-curricular Courses (CC) (Basket 6 for CC) (Common across all faculties)	Credits	
3 (5.5)	V	HXXXCT1301 (4Cr) HXXXCT1302 (4Cr) HXXXCT1303 (4Cr) 12 Credits	HXXXET 1301 4 Credits	-----	-----	-----	-----	HXXXVC1301 2 Credits	-----	HXXXFP1301 4 Credits	22	
	VI	HXXXCT1351 (4Cr) HXXXCT1352 (4Cr) HXXXCT1353 (2Cr) HXXXIK1351 (2Cr) 12 Credits	HXXXET 1351 4 Credits	-----	-----	-----	-----	HXXXVC1351 2 Credits	-----	HXXXOJ1351 4 Credits	22	
	Cum. Cr.	48	08	16	08	-----	08	4+8=12	22	10	44	132
Exit option: Bachelor of Humanities with Major in <u>DSC</u> and Minor in <u>DSM</u>												

4 (6.0)	VII	HXXXCT1401 (4Cr) HXXXCT1402 (4Cr) HXXXCT1403 (4Cr) HXXXCT1404 (2Cr) 14 Credits	HXXXET 1401 4 Credits	HXXXRM1401 Research Methodology 4 Credits		--	--	--	--	22	
	VIII	HXXXCT1451 (4Cr) HXXXCT1452 (4Cr) HXXXCT1453 (4Cr) HXXXCT1454 (2Cr) 14 Credit	HXXXET 1451 4 Credits	--		--	--	--	HXXXOJ1451 4 Credits	22	
CumCr		Honors:76+16=92		16+RM 04	08	08	(S-04+V-08) 12	(AEC-16 + VEC-4 +IKS-2)22	(CC-02+FP/CS-04+OJT-04+OJT04) 14	44	176
Exit option: Bachelor of Humanities with Major in DSC (Honors) and Minor in DSM											

4 (6.0)	VII	HXXXCT1401 (4Cr) HXXXCT1402 (4Cr) HXXXCT1403 (2Cr) 10 Credits	HXXXET 1401 4 Credits	HXXXRM1401 Research Methodology 4 Credits		--	--	--	HXXXRP1401 Research Project (4Cr)	22	
	VIII	HXXXCT1451 (4Cr) HXXXCT1452 (4Cr) HXXXCT1453 (2Cr) 10 Credits	HXXXET 1451 4 Credits	--		--	--	--	HXXXRP1451 Research Project (8Cr)	22	
CumCr		Honors:76+16=92		16+RM 04	08	08	(S-04+V-08) 12	(AEC-16 + VEC- 4 +IKS-2)22	(CC-02+FP/CS- 04+OJT- 04+OJT04) 14	44	
Exit option: Bachelor of Humanities with Major in DSC (With Research) and Minor in DSM											
Total Credits		Major–68+16=84		16+RM 04	08	GE/OE- 08	(S-04+V-08) 12	(AEC-16 + VEC- 4 +IKS-2)22	(CC-02+FP/CS- 04+OJT-04+RP- 12) 22	176	

Abbreviations:

1. **DSC:** Department/Discipline Specific Core(Major)
2. **DSE:** Department/Discipline Specific Elective(Major)
3. **DSM:** Discipline Specific Minor
4. **GE/OE:** Generic/Open Elective
5. **VSEC:** Vocational Skill and Skill Enhancement Course
6. **VSC:** Vocational Skill Courses
7. **SEC:** Skill Enhancement Courses
8. **AEC:** Ability Enhancement courses
9. **MIL:** Modern Indian languages
10. **IKS:** Indian Knowledge System
11. **VEC:** Value Education Courses
12. **OJT:** On Job Training:(Internship/Apprenticeship)
13. **FP:** Field Projects
14. **CEP:** Community Engagement and Service
15. **CC:** Co-Curricular Courses
16. **RM:** Research Methodology
17. **RP:** Research Project/Dissertation



Swami Ramanand Teerth Marathwada University, Nanded

Faculty of Humanities

General Guidelines for course structure:

- 1) The Major subject is the discipline or subject of the main focus and the degree will be awarded in that discipline/subject.
- 2) Credit sand curriculum for optional subjects are same in the first year.
- 3) In the first year students should choose three different subjects as optional subject in the same faculty.
- 4) From the second-year curriculum of major and minor subject is the different and student have to select major and minor from three optional subjects.
- 5) Generic /Open Elective is to be chosen compulsorily from faculty other than that of the Major. (Select from Basket)
- 6) Vocational and Skill Enhancement Courses (VSEC or VSC and SEC) are related to Major Course (DSC)
- 7) Ability Enhancement Courses (AEC):
 - a) English language may be offered Sem.I for 2 Credits and sem.III for 2 Cr. In AEC
 - b) Second languages may be offered Sem.II for 2 Credits and sem.IV for 2Cr.in MIL
- 8) Column No.8 and 9 is common for all faculties.
- 9) Curriculum of VEC, COI, IKS and CCC will provide by university.



Swami Ramanand Teerth Marathwada University, Nanded

Assigning Codes to the Courses Alphanumeric, TEN Character Coding AAAAAXXXX

- 1) **First (A) Letter indicate Faculty:** **H** –Humanities **S**-Science; **C**–Commerce, & Management, **I**-Interdisciplinary Studies and **D**–Distance/External mode.
- 2) **Next Three Letters (XXX) indicates Subject** (e.g. **GEO**-Geography, **ECO**–Economics, **PHY**–Physics, **COM**–Commerce, **CMP**–Computer Sci) etc.
- 3) **Fifth and Sixth Letter indicate nature of the course:**(e.g. **CT**–Core Theory, **CP**–Core Practical, **MT**–Minor Theory, **MP**–Minor Practical, **ET**–Elective Theory, **EP**–Elective Practical, **FP**–FieldProject, **FW**–FieldWork, **OJ**–OnJobtraining, **GE**-Generic/open Elective (Internship/Apprenticeship), **IN**–Internship, **CS**–Case Study, **VC**: Vocational Skill Courses, **SC**: Skill Enhancement Courses, **AEC**: Ability Enhancement courses, **VEC**: Value Education Courses, **MIL**: Modern Indian languages, **IKS**: Indian Knowledge System, **CCC**: Co-Curricular Courses/Community Engagement and Service, **RM**: Research Methodology.etc.)
- 4) **Seventh Character or First Number** indicate the Centre (**1**-forAffiliated colleges, **2**-Main Campus, **3**-Model Degree College, **4**-Sub-centre Latur, **5**-Sub-centre Parbhani)
- 5) **Eighth Character or second number indicate**-Year of Study.E.g.**1**-First year, **2**-Second year.etc.
- 6) **Last Two Numbers** indicate Course Number

e.g.**HGEOCT1101**–Faculty of Humanities(**H**) Geography (**GEO**) subject Core Theory (**CT**) Course offered in First Semester in affiliated colleges (**1101**)

Sr.No	UG/PG	Semester	Affiliated Colleges	Main Campus	Model Degree College	Sub-center Latur	Sub-center Parbhani	Kinwat Sub-Centre
1	First Year	Semester I	1101 to 1150	2101 to 2150	3101 to 3150	4101 to 4150	5101 to 5150	6101 to 6150
2		Semester II	1151 to 1199	2151 to 2199	3151 to 3199	4151 to 4199	5151 to 5199	6151 to 6199
3	Second Year	Semester III	1201 to 1250	2201 to 2250	3201 to 3250	4201 to 4250	5201 to 5250	6201 to 6250
4		Semester IV	1251 to 1299	2251 to 2299	3251 to 3299	4251 to 4299	5251 to 5299	6251 to 6299
5	Third Year	Semester V	1301 to 1350	2301 to 2350	3301 to 3350	4301 to 4350	5301 to 5350	6301 to 6350
6		Semester VI	1351 to 1399	2351 to 2399	3351 to 3399	4351 to 4399	5351 to 5399	6351 to 6399
7	Fourth Year	Semester VII	1401 to 1450	2401 to 2450	3401 to 3450	4401 to 4450	5401 to 5450	6401 to 6450
8		Semester VIII	1451 to 1499	2451 to 2499	3451 to 3499	4451 to 4499	5451 to 5499	6451 to 6499
9	Fifth Year	Semester IX	1501 to 1550	2501 to 2550	3501 to 3550	4501 to 4550	5501 to 5550	6501 to 6550
10		Semester X	1551 to 1599	2551 to 2599	3551 to 3599	4551 to 4599	5551 to 5599	6551 to 6599



Swami Ramanand Teerth Marathwada University, Nanded

Faculty of Humanities. Major in GEOGRAPHY

Basket 1: Major/Minor (Optional) course for Semester I and II(C): Each of 02 Credits

Semester	BOS proposing Minor (eg.)	Details of Major/Minor Course(M)	
		CODE	Title of the Course
Semester I	BOS in Geography	HGEOCT1101	Introduction To Physical Geography
		HGEOCP1102	Practical Geography
Semester II	BOS in Geography	HGEOCT1151	Introduction To Human Geography
		HGEOCP1152	Practical Geography
	3.etc.		



Swami Ramanand Teerth Marathwada University, Nanded

Faculty of Humanities Major in GEOGRAPHY

Basket 1: Major/Minor (Optional) course for Semester III and IV(C): Each of 02 Credits

Semester	BOS proposing (eg.)	Major/ Minor	Details of Major/Minor Course(M)	
			CODE	Title of the Course
Semester III	BOS in Geography	Major	HGEOCT1201	Geomorphology
			HGEOCT1202	Population Geography
			HGEOCP1203	Practical Geography
			HGEOCP1204	Practical Geography
		Minor	HGEOMT1201	Physical Geography of Marathwada
			HGEOMT1202	Social Geography
Semester IV	BOS in Geography	Major	HGEOCT1251	Climatology
			HGEOCT1252	Settlement Geography
			HGEOCT1253	Practical Geography
			HGEOCT1254	Practical Geography
		Minor	HGEOMT1251	Human Geography of Marathwada
			HGEOMT1252	Cultural Geography
	3.etc.			



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

Basket3: Generic/Open Elective Course (GE)

Each BOS will suggest Generic Elective Courses (minimum one and maximum four) for semesters I and II

Semester	BOS proposing (eg.)	CODE	Title of the Course
Sem-I	BOS in Geography	HGEOGE1101	Disaster Management
Sem-II	BOS in Geography	HGEOGE1151	Tourism Geography



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

Basket3: Generic/Open Elective Course (GE)

Each BOS will suggest Generic Elective Courses (minimum one and maximum four) for semesters III and IV

Semester	BOS proposing (eg.)	CODE	Title of the Course
Sem-III	BOS in Geography	HGEOGE1201	Watershed Management
Sem-IV	BOS in Geography	HGEOGE1251	Resource Management



Swami Ramanand Teerth Marathwada University, Nanded
Faculty of Humanities

Basket4: Languages (AEC and MIL) (Each of 02 Credits for Sem.I and II)

Semester	Name of the Languages	Details of Second Language(L2)	
		CODE	Title of the Course (Paper)
Semester I	English (AEC)	AECENG1101	-----
	(Marathi, Hindi., Urdu, Kannada, Pali etc.)	AECXXX1101 AECXXX1101 etc.	----- ----- -----
Semester II	English (AEC)	AECENG1151	-----
	(Marathi, Hindi, Urdu, Kannada Pali Etc.)	AECXXX1151 AECXXX1151 etc	----- ----- ----- ----- -----



Swami Ramanand Teerth Marathwada University, Nanded
Faculty of Humanities

Basket 5: Indian Knowledge System (02 Credits)

(Each BOS will suggest minimum one paper with curriculum of Indian Knowledge System for semester I& II)

Semester	Details of Elective Course(s)	
	CODE	Title of the Course
Semester I	IKS1101	Indian Knowledge System
Semester I	VEC1151	Constitution of India



Swami Ramanand Teerth Marathwada University, Nanded

Faculty of Humanities

(Common across faculty, Curriculum will provide by University)

Basket6: Co-curricular Courses/Community Engagement Services (CC) (02 Credits)

<i>Semester</i>	<i>Details of Elective Course (CC)</i>	
	<i>CODE</i>	<i>Title of the Course</i>
Semester I	CCCNSS1101	-----
	CCCNCC1101	-----
	CCCCUL1101	-----
	CCCSP01101	-----
	CCCYOG1101	-----
	CCCFIT1101	-----
	etc	
Semester II	CCCNSS1151	-----
	CCCNCC1151	-----
	CCCCUL1151	-----
	CCCSP01151	-----
	CCCYOG1151	-----
	CCCFIT1151	-----
	etc	



Swami Ramanand Teerth Marathwada University, Nanded
Faculty of Humanities Major in GEOGRAPHY
Under Graduate First Year Programme, Semester I (Level4.5)

Teaching Scheme

	Course Code	Course Name	Credits Assigned			Teaching Scheme (Hrs./week 1Hr.=60M.)	
			Theory	Practical	Total	Theory	Practical
Optional 1,2,3	HGEOCT1101	Introduction to Physical Geography	02	--	02	02	--
	HGEOCP1102	Practical Geography	--	02	02	--	04
Generic Electives	HGEOGE1101	Disaster Management	02	--	02	02	--
Vocational & Skill Enhancement Course	HGEOSC1101	Introduction to Maps	-	02	02	-	04
Ability Enhancement Course/Languages	AECENG1101	Compulsory English	02	--	02	--	--
Indian Knowledge System(IKS)	IKS1101	IKS Select from Basket5	02	-	02	--	--
Co-curricular Courses/Community Engagement Services(CC) (Basket6)	CCCXXX1101	Anyone of NCC/NSS /Sports/ Culture /Health Wellness/Yoga Education/Fitness	-	-	-	-	-
Total Credits			08	04	12	04	08



Swami Ramanand Teerth Marathwada University, Nanded
Faculty of Humanities Major in GEOGRAPHY
Under Graduate First Year Programme, Semester II(Level4.5)
Teaching Scheme

	Course Code	Course Name	Credits Assigned			Teaching Scheme (Hrs./ week1Hr.=60M.)	
			Theory	Practical	Total	Theory	Practical
Optional 1,2,3	HGEOCT1151	Introduction to Human Geography	02	-	02	02	--
	HGEOCP1152	Practical Geography	--	02	02	--	04
Generic Electives	HGEOGE1151	Tourism Geography	02	--	02	02	--
Vocational & Skill Enhancement Course	HGEOSC1151	Soil Testing and Analysis	-	02	02	-	04
Ability Enhancement Course/Languages	AECXXX1151	Languages-----	02	--	02	--	--
Value Education Course (VEC)	VECCOI1151	Constitution of India	02	--	02	--	--
Co-curricular Courses/ Community Engagement Services (CC) (Basket6)	CCCXXX1151	Anyone of NCC/NSS /Sports/ Culture /Health Wellness/Yoga Education/Fitness	-	-	-	-	-
Total Credits			08	04	12	04	08



Swami Ramanand Teerth Marathwada University, Nanded
Faculty of Humanities Major in GEOGRAPHY
Under Graduate Second Year Programme, Semester III(Level 5)
Teaching Scheme

	Course Code	Course Name	Credits Assigned			Teaching Scheme (Hrs./week 1Hr.=60M.)	
			Theory	Practical	Total	Theory	Practical
Major	HGEOCT1201	Geomorphology	02	--	02	02	--
	HGEOCT1201	Population Geography	02	--	02	02	--
	HGEOCP1203	Practical Geography	--	02	02	--	04
	HGEOCP1204	Practical Geography	--	02	02	--	04
Minor	HGEOMT1201	Physical Geography of Marathwada	02	--	02	02	--
	HGEOMT1202	Social Geography	02	--	02	02	--
Generic Electives	HGEUGE1201	Watershed Management	02	--	02	02	--
Vocational & Skill Enhancement Course	HGEOVC1201	Water Testing and Analysis	-	02	02	-	04
Ability Enhancement Course/Languages	AECENG1201	Compulsory English	02	--	02	--	--
	AECXXX1201	Hin, Mar, Kan, Pal, Urd, San etc	02	--	02	--	--
Co-curricular Courses/Community Engagement Services (CC) (Basket6)	CCCXXX1201	Anyone of NCC/NSS /Sports/ Culture /Health Wellness/Yoga Education/Fitness	02	-	02	--	-
Total Credits			16	06	22	10	12



Swami Ramanand Teerth Marathwada University, Nanded
Faculty of Humanities Major in GEOGRAPHY
Under Graduate Second Year Programme, Semester IV (Level 5)
Teaching Scheme

	Course Code	Course Name	Credits Assigned			Teaching Scheme (Hrs./week 1Hr.=60M.)	
			Theory	Practical	Total	Theory	Practical
Major	HGEOCT1251	Climatology	02	--	02	02	--
	HGEOCT1252	Settlement Geography	02	--	02	02	--
	HGEOCP1253	Practical Geography	--	02	02	--	04
	HGEOCP1254	Practical Geography	--	02	02	--	04
Minor	HGEOMT1251	Human Geography of Marathwada	02	--	02	02	--
	HGEOMT1252	Cultural Geography	02	--	02	02	--
Generic Electives	HGEOGE1251	Resource Management	02	--	02	02	--
Vocational & Skill Enhancement Course	HGEOVC1251	Land Survey and Measurement	-	02	02	-	04
Ability Enhancement Course/Languages	AECENG1251	Compulsory English	02	--	02	--	--
	AECXXX1251	Hin, Mar, Kan, Pal, Urd, San etc	02	--	02	--	
	VECEVS1251	Environmental Studies	02	-	02	--	
Co-curricular Courses/Community Engagement Services (CC) (Basket6)	CCCXXX1251	Anyone of NCC/NSS /Sports/ Culture /Health Wellness/Yoga Education/Fitness	-	-	-	-	-
Total Credits			16	06	22	10	12



Swami Ramanand Teerth Marathwada University, Nanded

Faculty of Humanities Major in GEOGRAPHY

Under Graduate Second Year Programme, Semester III (Level 5)

Examination Scheme

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

Subject (1)	Course Code (2)	Course Name (3)	Theory					Practical		Total Col. (7+8) TH Col. (9+10) PR
			Continuous Assessment (CA)				ESE	Continuous Assessment (CA) (9)	ESE (10)	
			Test-I (4)	Test II (5)	Assignment (6)	Avg of T1+T2+Assi./3 (7)	Total (8)			
Major	HGEOCT1201	Geomorphology	10	10	10	10	40	--	--	50
	HGEOCT1202	Population Geography	10	10	10	10	40	--	--	50
	HGEOCP1203	Practical Geography	--	--	--	--	--	10	40	50
	HGEOCP1204	Practical Geography	--	--	--	--	--	10	40	50
Minor	HGEOMT1201	Physical Geography of Marathwada	10	10	10	10	40	--	--	50
	HGEOMT1202	Social Geography	10	10	10	10	40	--	--	50
Generic Electives	HGEOGE1201	Watershed Management	10	10	10	10	40	--	--	50
Vocational & Skill Enhancement Course	HGEOVC1201	Water Testing and Analysis	--	--	--	--	--	10	40	50
Ability Enhancement Course/Languages	AECENG1201	Compulsory English	10	10	10	10	40	--	--	50
	AECXXX1201	Hin, Mar, Kan, Pal, Urd, San etc	10	10	10	10	40	--	--	50
Co-curricular Courses/Community Engagement Services (CC) (Basket6)	CCCXXX1151	Anyone of NCC/NSS /Sports/Culture/Health Wellness /Yoga Education/Fitness	--	--	--	--	--	--	--	--



Swami Ramanand Teerth Marathwada University, Nanded

Faculty of Humanities Major in GEOGRAPHY

Under Graduate Second Year Programme, Semester IV (Level 5)

Examination Scheme

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

Subject (1)	Course Code (2)	Course Name (3)	Theory					Practical		Total Col. (7+8) TH Col. (9+10) PR
			Continuous Assessment (CA)				ESE	Continuous Assessment (CA) (9)	ESE (10)	
			Test-I (4)	Test II (5)	Assignment (6)	Avg of T1+T2+Assi./3 (7)	Total (8)			
Major	HGEOCT1251	Climatology	10	10	10	10	40	--	--	50
	HGEOCT1252	Settlement Geography	10	10	10	10	40	--	--	50
	HGEOCP1253	Practical Geography	--	--	--	--	--	10	40	50
	HGEOCP1254	Practical Geography	--	--	--	--	--	10	40	50
Minor	HGEOMT1251	Human Geography of Marathwada	10	10	10	10	40	--	--	50
	HGEOMT1252	Cultural Geography	10	10	10	10	40	--	--	50
Generic Electives	HGEUGE1251	Resource Management	10	10	10	10	40	--	--	50
Vocational & Skill Enhancement Course	HGEOVC1251	Land Survey and Measurement	--	--	--	--	--	10	40	50
Ability Enhancement Course/Languages	AECENG1251	Compulsory English	10	10	10	10	40	--	--	50
	AECXXX1251	Hin, Mar, Kan, Pal, Urd, San etc	10	10	10	10	40	--	--	50
	VECEVS1251	Environment Studies	10	10	10	10	40	--	--	50
Co-curricular Courses/Community Engagement Services (CC) (Basket6)	CCCXXX1251	Anyone of NCC/NSS /Sports/Culture/Health Wellness /Yoga Education/Fitness	--	--	--	--	--	--	--	--



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

Under Graduate First Year Programme Semester I & II

Course Structure: Optional 1, 2, 3-Teaching Scheme
(For 2 credits)

Course Code	Course Name (Paper Title)	Teaching Scheme (Hrs.)		Credits Assigned		
		Theory	CA	Theory	CA	Total
HGEOCT1101	Introduction to Physical Geography	30	---	02	---	02
(for 2 credits)						
Course Code	Course Name (Paper Title)	Teaching Scheme (Hrs.)		Credits Assigned		
		Practical	CA	Practical	CA	Total
HGEOCP1102	Practical Geography	60	---	02	--	02
Course Code	Course Name (Paper Title)	Teaching Scheme (Hrs.)		Credits Assigned		
		Theory	CA	Theory	CA	Total
HGEOGE1101	Disaster Management	30	---	02	--	02

Optional 1, 2, 3- Assessment Scheme

Course Code (2)	Course Name (3)	Theory					Practical		Total Col(7+8) TH Col(9+10) PR
		Continuous Assessment (CA)				ESE (8)	CA (9)	ESE (10)	
		Test I (4)	Test II (5)	Assignment (6)	Avg of T1+T2+Assi/3 (7)				
HGEOCT1101	Introduction to Physical Geography	10	10	10	10	40	-	-	50
HGEOCP1102	Practical Geography	--	--	--	--	--	10	40	50



Swami Ramanand Teerth Marathwada University, Nanded
Faculty of Humanities Major in GEOGRAPHY
Under Graduate Second Year Programme Semester III & IV

Course Structure: Major/Minor- Teaching Scheme
(For 2 credits)

Course Code	Course Name (Paper Title)	Teaching Scheme (Hrs.)		Credits Assigned		
		Theory	CA	Theory	CA	Total
HGEOCT1201	Geomorphology	30	---	02	---	02
HGEOCT1202	Population Geography	30	---	02	---	02
<i>(for 2 credits)</i>						
Course Code	Course Name (Paper Title)	Teaching Scheme (Hrs.)		Credits Assigned		
		Practical	CA	Practical	CA	Total
HGEOCP1203	Practical Geography	60	---	02	--	02
HGEOCP1204	Practical Geography	60	---	02	--	02
Skill Enhancement Course						
Course Code	Course Name (Paper Title)	Teaching Scheme (Hrs.)		Practical	CA	Total
		Practical	CA			
HGEOVC1201	Water Testing and Analysis	60	---	02	--	02
Minor						
Course Code	Course Name (Paper Title)	Teaching Scheme (Hrs.)		Credits Assigned		
		Theory	CA	Theory	CA	Total
HGEOMT1201	Physical Geography of Marathwada	30	---	02	---	02
HGEOMT1202	Social Geography	30	---	02	---	02
Generic Elective						
Course Code	Course Name (Paper Title)	Teaching Scheme (Hrs.)		Credits Assigned		
		Theory	CA	Theory	CA	Total
HGEOGE1201	Watershed Management	30	---	02	--	02



Swami Ramanand Teerth Marathwada University, Nanded

Under the Faculty of Humanities

SYLLABUS

GEOGRAPHY

**B.A./B.Sc. SECOND YEAR
(UNDER GRADUATION)**

SEMESTER PATTERN

SEMESTER THIRD

**Effective from Academic year 2025-2026
As per NEP-2020**



Swami Ramanand Teerth Marathwada University, Nanded
Faculty of Humanities in Geography
Under Graduate Second Year Programme, Semester Third

Paper Code: **HGEOCT1201**, Title: **Geomorphology**

Curriculum Details

Pre-requisites:

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

Course Objectives:

1. To introduce the concepts in geomorphology
2. To familiarize about the internal structure of the earth
3. To give the knowledge about the landforms on the earth
4. To introduce the concept of weathering

Course Outcomes:

After completion of course students will be able to:

1. Understand the concepts of Geomorphology
2. Know the internal structure of the earth
3. Identify and classify the types of landforms
4. Appreciate the concept and process of weathering



Swami Ramanand Teerth Marathwada University, Nanded

Faculty of Humanities in Geography

Paper Code: HGEOCT1201, Title: Geomorphology

Curriculum Details: (for 2 Credits)

Module	Unit	Name of Topic	Hours Required to cover the contents 1Hr.=60Min.
1.0		Introduction	
	1.1	Definition, Nature and Scope of Geomorphology	08
	1.2	Geomorphology as a branch of physical geography	
	1.3	Major Fundamental Concepts in Geomorphology	
2.0		Interior of the Earth and Earth Movement	
	2.1	Interior of the Earth	08
	2.2	Earthquakes: Meaning, Causes and Effects	
	2.3	Volcanoes: Meaning, Causes and Effects	
3.0		Rocks, Weathering and Mass Wasting	
	3.1	Classification of Rocks According to Origin i. Igneous ii. Sedimentary iii. Metamorphic	07
	3.2	Types of Weathering i. Mechanical ii. Chemical iii. Biological	
	3.3	Mass Wasting	
4.0		Landforms and Applied Geomorphology	
	4.1	Wind	07
	4.2	Glacier	
	4.3	Applied Geomorphology : Earthquake, Volcano	
		Total	30

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. दाते व सौ. दाते: प्राकृतिक भूगोल, विद्या प्रकाशन, नागपूर.
11. डॉ. सुरेश फुले (2002): भूरूपशास्त्र, विद्याभारती प्रकाशन, लातूर
12. शेते, फुले, शहापूरकर (1991): प्राकृतिक भूगोल. अभिजीत पब्लिकेशन, लातूर.
13. डॉ. विठ्ठल घारपुरे (2001): प्राकृतिक भूगोलाची मूलतत्वे, पिंपळापुरे अँड कंपनी पब्लिसर्स, नागपूर.
14. डॉ.व्ही.टी. नाईक, प्राबी.आर. गुरुडे, प्रा. पी.डी. राठोड (2010): प्राकृतिक भूगोलाची ओळख आणि मूलतत्वे, कैलास पब्लिकेशन औरंगपुरा, औरंगाबाद.
15. प्रा.बालाजी.आर. गुरुडे (2022): भूरूपशास्त्र, प्रीतम प्रकाशन, जळगाव.
16. प्राचार्य डॉ.सदानंद गोने, डॉ.सी.बी.लॉडे प्रा.एम.आर.नांगरे, डॉ.पी.बी.गोने (2022) :भूरूपशास्त्र: ज्योतीकिरण प्रकाशन, पुणे.
17. डॉ.दिलीप भोगे (2014), भूरूपशास्त्र, अरुणा प्रकाशन, लातूर
18. प्राचार्य डॉ.एस.एच. गोणे, डॉ.ए.ए. काळगापुरे, डॉ.ए.एन. शिंदे, डॉ.एस.ए. पाटील (2025), भूरूपशास्त्र, अथर्व पब्लिकेशन, जळगाव



Swami Ramanand Teerth Marathwada University, Nanded
Faculty of Humanities in Geography
Under Graduate Second Year Programme, Semester Third

Paper Code: **HGEOCT1202**, Title: **Population Geography**

Curriculum Details

Pre-requisites:

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

Course Objectives:

1. To understand the fundamental concepts and importance of Population Geography
2. To analyze population growth and distribution
3. To study migration patterns and their socio-economic impacts
4. To develop an understanding of population policies and sustainable development

Course Outcomes:

After completion of course students will be able to:

1. Students will gain knowledge of key concepts, theories, and models in Population Geography
2. Students will analyze spatial variations in population distribution
3. Students will understand the causes and consequences of population migration
4. Students will critically assess population policies and demographic challenges



Swami Ramanand Teerth Marathwada University, Nanded

Faculty of Humanities in Geography

Paper Code: HGEOCT1202, Title: Population Geography

Curriculum Details: (for 2 Credits)

Module	Unit	Name of Topic	Hours Required to cover the contents 1Hr.=60Min.
1.0		Introduction	
	1.1	Definition, Nature and Scope of Population Geography	08
	1.2	Relationship of Population Geography with Other Social Sciences	
	1.3	Importance of study of Population Geography	
2.0		Population Growth and Distribution	
	2.1	Factors Affecting on Growth of Population	08
	2.2	Population Growth in the World with Special Reference to India	
	2.3	Factors Affecting on Distribution of Population and Distribution of Population in the World	
3.0		Population Structure	
	3.1	Birth rate and Death rate of Population in India	07
	3.2	Age and Sex Composition of Population in India	
	3.3	Literacy in India	
4.0		Population Theories and Migration	
	4.1	Malthusian Theory	07
	4.2	Demographic Transition Theory	
	4.3	Meaning, Causes and Types of Migration	
		Total	30

Suggested Readings:

1. Beaujeu Gamier: Geography of Population, Longman, London-1978
2. Clarke J.I.: Population Geography, Pergamon Press Oxford – 1972
3. Chandana R.C.: Geography of Population, Kalyani Pub. Ludhiana 1988
4. Ghosh B.N.: Fundamentals of Population Geography
5. Hussin M.: Human Geography 1994
6. Perpillou A.V.: Human Geography, Longman, London- 1986
7. Robinson H.: Human Geography, 1976
8. Mishra & Puri: Indian Economy 2004
9. Hassan Mohammed I.: Population Geography, 2005
10. Bhende Asha & Kanitkar Tara: Principles of Population Studies
11. Sawant S.B. & Athavale A.S. Population Geography, Mehta Publishing House, Pune
12. अहिराव, अलीझाड (1994) : लोकसंख्या भूगोल, विद्या प्रकाशन, नागपूर
13. विठल घारपुरे (2003): लोकसंख्या भूगोल, पिंपळापुरे अँड कंपनी पब्लिशर्स, नागपूर.
14. शेठे, फुले, शहापूरकर (2000): लोकसंख्या भूगोल. अभिजीत पब्लिकेशन, लातूर.
15. माजीद हुसेन (1995): मानवी भूगोल, रावत पब्लिकेशन, जयपूर.
16. डॉ.ए.ए. काळगापुरे, डॉ.एस.बी. आष्टुरे, डॉ.व्ही.डी. चौधरी (2025) : लोकसंख्या भूगोल, अथर्व पब्लिकेशन, शॉप नं.2, नक्षत्र अपार्टमेंट, शाहू नगर हाऊसिंग सोसायटी, जळगांव



Swami Ramanand Teerth Marathwada University, Nanded
Faculty of Humanities in Geography
Under Graduate Second Year Programme, Semester Third

Paper Code: **HGEOCP1203**, Title: **Practical Geography**

Curriculum Details

Pre-requisites:

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

Course Objectives:

1. To train students to represent the relief features of the earth's surface
2. To analyze the topography by studying SOI maps.
3. In the field of survey, students should understand the principles of map making

Course Outcomes:

After completion of course students will be able to:

1. Understand the types of slopes
2. Identify and draw the relief features.
3. Recognize relief features on the earth surface through the SOI Topographical maps
4. Enhance the skill of field survey & map making



Swami Ramanand Teerth Marathwada University, Nanded

Faculty of Humanities in Geography

Paper Code: **HGEOCP1203**, Title: **Practical Geography**

Curriculum Details: (for 2 Credits)

Module	Unit	Name of Topic	Hours Required to cover the contents 1Hr.=60Min.
1.0		Methods of Slope Expression	
	1.1	Gradient	15
	1.2	Degree	
	1.3	Percentage and Mills	
2.0		Representation of Landforms by Contours	
	2.1	Landforms of Elevation (Pass and Spur)	15
	2.2	Landforms of Depression (Gorge and Waterfall)	
	2.3	Drawing of cross section from contour map	
3.0		Interpretation of SOI Maps	
	3.1	Interpretation of Topographical Maps of Mountain Regions of India.	15
	3.2	Interpretation of Topographical Maps of Arid Regions of India.	
	3.3	Interpretation of Topographical Maps of Plain Regions of India.	
4.0		Tour and Preparation of Report	
	4.1	Students to be taken on a Tour to nearby Village/ Town/ Tourist Places.	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, photographs etc.	
		Total	60

Suggested Readings:

1. Croxton & Cowden: Applied General Statistics
2. Hammod & Mc Gullah: Quantitative Techniques in Geography
3. Khan Z.A.: Textbook 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 (1993): प्रात्यक्षिक भूगोल, रस्तोगी प्रकाशन, मेरठ.
12. डॉ. डी. वाय. अहिरराव, प्रा.इ.के. करंजखेल (2010): प्रात्यक्षिक भूगोल; सुदर्शन प्रकाशन, गंगापूररोड, नाशिक.
13. डॉ. नागतोडे व लांजेवार (2009): नकाशाशास्त्र व प्रात्यक्षिक भूगोल; पिंपळापुरे अँड कंपनी पब्लिसर्स, नागपूर
14. डॉ. कनकुरे, डॉ. मानकरी, रमेश मुगावे (2012): प्रात्यक्षिक भूगोल, अरुणा प्रकाशन, लातूर.
15. डॉ.अर्जुन कुंभार (2003): प्रात्यक्षिक भूगोल, सुमेरू प्रकाशन, डोबीवली
16. हरिलाल यादव (2011): प्रायोगिक भूगोल, राधा पब्लिकेशनसनई दिल्ली
17. जयकुमार मगर (1993): 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 in Geography

Under Graduate Second Year Programme, Semester Third

Paper Code: **HGEOCP1204**, Title: **Practical Geography**

Curriculum Details

Pre-requisites:

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

Course Objectives:

1. To know different types of population density and their significance.
2. Population data analysis skills
3. To know the different methods of population growth & their impacts

Course Outcomes:

After completion of course students will be able to:

1. To understand vital statistics of population
2. Develop skills of data interpretation of population
3. Understand the students population as a resource



Swami Ramanand Teerth Marathwada University, Nanded

Faculty of Humanities in Geography

Paper Code: HGEOCP1204, Title: Practical Geography

Curriculum Details: (for 2 Credits)

Module	Unit	Name of Topic	Hours Required to cover the contents 1Hr.=60Min.
1.0		Density of Population	
	1.1	Arithmetic Density	15
	1.2	Agricultural Density	
	1.3	Nutritional Density	
2.0		Measures of Fertility	
	2.1	Crude Birth Rate	15
	2.2	General Birth Rate	
	2.3	Standard Birth Rate	
3.0		Measures of Mortality	
	3.1	Crude Death Rate	15
	3.2	Age Specific Death Rate	
	3.3	Infant and Child Mortality Rate	
4.0		Population Growth	
	4.1	Net Population Growth	15
	4.2	Population Growth Rate	
	4.3	Average Population Growth Rate	
		Total	60

Suggested Readings:

1. Croxton & Cowden: Applied General Statistics
2. Hammod & Mc Gullah: Quantitative Techniques in Geography
3. Khan Z.A.: Textbook 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 (1993): प्रात्यक्षिक भूगोल, रस्तोगी प्रकाशन, मेरठ.
12. डॉ. डी. वाय. अहिराव, प्रा.इ.के. करंजखेल(2010): प्रात्यक्षिक भूगोल; सुदर्शन प्रकाशन, गंगापूर रोड, नाशिक.
13. डॉ. नागतोडे व लांजेवार (2009): नकाशाशास्त्र व प्रात्यक्षिकभूगोल; पिंपळापुरे अँड कंपनी पब्लिसर्स, नागपूर
14. डॉ. कनकुरे, डॉ. मानकरी, रमेशमुगावे(2012): प्रात्यक्षिक भूगोल, अरुणा प्रकाशन, लातूर.
15. डॉ.अर्जुन कुंभार (2003):प्रात्यक्षिकभूगोल, सुमेरू प्रकाशनडोबीवली,
16. हरिलाल यादव (2011): प्रायोगिक भूगोल,राधा पब्लिकेशनसनई दिल्ली
17. जयकुमार मगर (1993): प्रात्यक्षिक भूगोल, विद्या प्रकाशन, नागपूर
18. पी .एल .मिश्र (2010): प्रायोगिक भूगोल, विश्व भारती पब्लिकेशनस्, नई दिल्ली
19. रामचंद्र तिवारी,सुधाकर त्रिपाठी (2009): प्रायोगिक भूगोल,प्रयाग पुस्तक भवन,इलाहाबाद



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

Under Graduate Second Year Programme, Semester Third

Paper Code: **HGEOMT1201**, Title: **Physical Geography of Marathwada**

Curriculum Details

Pre-requisites:

1. Books, maps, charts
2. ICT

Course Objectives:

1. To know the physical aspects of Marathwada
2. To provide in depth knowledge about geography of Marathwada
3. To prepare students for various competitive examinations

Course Outcomes:

After completion of course students will be able to:

1. Understand the dimensions and physiography of Marathwada
2. Fully aware of the climatic season in Marathwada
3. Understand about the economic setup of the Marathwada



Swami Ramanand Teerth Marathwada University, Nanded
Faculty of Humanities in Geography
 Paper Code: HGEOMT1201, Title: Physical Geography of Marathwada
 Curriculum Details: (for 2 Credits)

Module	Unit	Name of Topic	Hours Required to cover the contents 1Hr.=60Min.
1.0		Physical Structure and Caves	
	1.1	Introduction to Physical Divisions of Marathwada	08
	1.2	Geographical Characteristics of Marathwada	
	1.3	Major Mountain Ranges & Caves of Marathwada	
2.0		Climate	
	2.1	Climatic Characteristics of Marathwada	08
	2.2	Seasonal variations and Rainfall Distribution	
	2.3	Climatic Hazard: Drought	
3.0		Drainage System and Water Resources	
	3.1	Major Rivers and their Characteristics	07
	3.2	Surface and Ground Water Resources	
	3.3	Major Irrigation Projects of Marathwada	
4.0		Soil and Natural Vegetation	
	4.1	Soil Types and Distribution	07
	4.2	Natural Vegetation and its Classification	
	4.3	Soil Erosion and Deforestation: Conservation Strategies	
		Total	30

Suggested Readings:

1. District Gazetteer of Sambhajinagar (Aurangabad) District, Govt. of India.
2. District Gazetteer of Jalna District, Govt. of India.
3. District Gazetteer of Beed District, Govt. of India.
4. District Gazetteer of Dharashiv (Osmanabad) District, Govt. of India.
5. District Gazetteer of Nanded District, Govt. of India.
6. District Gazetteer of Latur District, Govt. of India.
7. District Gazetteer of Parbhani District, Govt. of India.
8. District Gazetteer of Hingoli District, Govt. of India.
9. District Census Handbooks (1951 to 2011, All Concern Districts) Govt. of India.
10. Annual Socio Economics Abstracts, (1951 to 2011, All Concern Districts) Govt. of Maharashtra
11. Jyotiram More, Atul Jethe : Geography of Maharashtra, Nirali Publication, Pune
12. डॉ. सुभाष सारंग (1996) : मानवी भूगोल, विद्या प्रकाशन, नागपूर
13. राहुल पाटील, विकास गिरासे : महाराष्ट्राचा भूगोल, युनिक अकॅडमी, पुणे
14. प्रा. पी. एस. कोळेकर : महाराष्ट्राचा भूगोल, निराली प्रकाशन, पुणे
15. प्रा. ए. बी. सवदी : महाराष्ट्राचा भूगोल, निराली प्रकाशन, पुणे
16. प्रा. के. ए. खतीब (2015) : महाराष्ट्राचा भूगोल, मेहता पब्लिशिंग हाऊस, पुणे
17. प्रा. टी. के. पाटील (1998) : महाराष्ट्राचा भूगोल, पिंपळापुरे अँड पब्लिकेशन, नागपूर
18. डॉ. श्रीकांत कार्लेकर (2013) : महाराष्ट्राचा भूगोल, डायमंड पब्लिकेशन, पुणे
19. डॉ. नितीन देशमुख, डॉ. सखाराम वाघमारे (2025) : मराठवाडा भूगोल, विद्या प्रकाशन, छत्रपती संभाजीनगर
20. डॉ. भागवत पस्तापुरे, डॉ. बालाजी आव्हाड (2025) : मराठवाडा भूगोल भाग-1, अरुणा प्रकाशन, लातूर



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

Under Graduate Second Year Programme, Semester Third

Paper Code: **HGEOMT1202**, Title: **Social Geography**

Curriculum Details

Pre-requisites:

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

Course Objectives:

1. To explore the spatial aspects of society
2. Make students familiar about concept of society and culture.
3. To aware students about the social differentiation and region formation

Course Outcomes:

After completion of course students will be able to:

1. Understand the nature, scope, and purpose of Social Geography.
2. Understand concept of society and culture
3. Identify the social differentiation and region formation
4. Identity of social diversity through race, religion, and language



Swami Ramanand Teerth Marathwada University, Nanded

Faculty of Humanities in Geography

Paper Code: HGEOMT1202, Title: Social Geography

Curriculum Details: (for 2 Credits)

Module	Unit	Name of Topic	Hours Required to cover the contents 1Hr.=60Min.
1.0		Introduction to Social Geography	
	1.1	Definitions nature and Scope of social geography	08
	1.2	Significance of Social Geography	
	1.3	Society as essential elements of Geographical studies	
2.0		Interdisciplinary Perspectives in Social Geography	
	2.1	Social Geography and Sociology, History and Anthropology	08
	2.2	Development of social geography	
	2.3	Approaches to the study of social geography	
3.0		Social protection and social processes	
	3.1	Social structure	07
	3.2	Concept of social function	
	3.3	Social process	
4.0		Cultural Diversity and Social Identity	
	4.1	Human Race	07
	4.2	Religion	
	4.3	Language	
		Total	30

Suggested Readings:

1. Ahmad, Aijazuddin (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. Mahbubul: 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 घाटपुरे (2008): सामाजिक आणि सांस्कृतिक भूगोल, पिंपळापुरे अँड कंपनी पब्लिशर्स, नागपूर.
15. डॉ.डी.एस. मौर्य (2010) : सामाजिक भूगोल, शारदा पुस्तक भवन, अलाहाबाद



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

Under Graduate Second Year Programme, Semester Third

Paper Code: HGEOGE1201, Title: Watershed Management (GE)

Curriculum Details

Pre-requisites:

1. Aerial Photographs and Satellite Imageries
2. Field visit and ICT
3. Maps, charts, books

Course Objectives:

1. To manage and utilize the runoff water, to protect, conserve and improve the land of watershed, to moderate the floods peaks at downstream area, to rehabilitate the water supply schemes in rural areas and to create water balance sheet for rural area
2. To aware the students about the techniques of watershed management

Course Outcomes:

After completion of course students will be able to:

1. Understand the aims and objectives of watershed management
2. Students will gain knowledge about the method of rain water harvesting and ground water harvesting.
3. Know the vital role of watershed management in improve water quality and quantity, reduced soil erosion and flooding enhanced agricultural productivity, increased biodiversity and support for sustainable live hoods.



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

Paper Code: HGEOGE1201, Title: Watershed Management (GE)

Curriculum Details: (for 2 Credits)

Module	Unit	Name of Topic	Hours Required to cover the contents 1Hr.=60Min.
1.0		Introduction and Concept of Watershed Management	
	1.1	Definition, aims and objectives of watershed management	08
	1.2	Need for watershed management.	
	1.3	Types and properties of watershed	
2.0		Soil Erosion and Control Measures	
	2.1	Definition and types of Soil erosion	08
	2.2	Factors affecting soil erosion	
	2.3	Measures to control erosion a) Agronomical control erosion b) Engineering control erosion	
3.0		Techniques in Watershed Management	
	3.1	Grassland development	07
	3.2	Tree plantation, Land leveling	
	3.3	Water conservation structures, Jalyukt shivar	
4.0		Water Harvesting, Water budgeting, Model Village and Schemes	
	4.1	Importance, significance and methods of Rainwater Harvesting	07
	4.2	Importance, significance and methods of Ground water harvesting	
	4.3	Model Village. Schemes of central and state Government for watershed management	
		Total	30

Suggested Readings:

1. Allam, Gamal Ibrahim Y., Decision Support System for Integrated Watershed Management, Colorado State university, 1994.
2. American Society. Of Civil Engr., Watershed Management, American Soc. Of Civil Engineers, New York, 1975.
3. Black Peter E., Watershed Hydrology. Prentice Hall, London, 1991.
4. Michael A.M. Irrigation Engineering, Vikas Publishing House, 1992.
5. Murty, J.V.S. “Watershed Management”, New Age Intl., New Delhi 1998.
6. Murthy, J.V.S., Watershed Management in India, Wiley Eastern, New Delhi, 1994.
7. Purandare, A.P., Jaiswal A.K., Watershed Development in India, NIRD, Hyderabad, 1995.
8. Vir Singh, Raj, Watershed Planning and Management, Yash Publishing House, Bikaner, 2000.
9. J.V.S. Murty : Watershed Management, New Age International Publishers
10. US Sree Ramulu : Management of Water Resource in Agriculture, New Age International Publishers
11. डॉ.अंजली जोशी, प्रा.डॉ.बा.ल.जोशी (2017) : जलजागृती, एक्सल अकॅडमी पब्लिशर्स, औरंगाबाद
12. डॉ.पाटील बळवंत तेजेराव, डॉ.राठोड प्रकाश धनसिंग, डॉ.मंगनाळे संतोष कल्याणराव (2023) : पाणलोट व्यवस्थापन, अरुणा प्रकाशन, लातूर



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

Under Graduate Second Year Programme, Semester Third

Paper Code: **HGEOSC1201** Title: **Water Testing and Analysis (SC)**

Curriculum Details

Pre-requisites:

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

Course Objectives:

1. To have knowledge of water testing.
2. To be able to take a water test sample.
3. To know the methods of water testing

Course Outcomes:

After completion of course students will be able to:

1. To test whether water is suitable for drinking or not.
2. To read water test reports and make recommendations accordingly.
3. To be able to take appropriate action to improve water quality



Swami Ramanand Teerth Marathwada University, Nanded

Faculty of Humanities in Geography

Paper Code: HGEOSC1201 Title: Water Testing and Analysis (SC)

Curriculum Details: (for 2 Credits)

Module	Unit	Name of Topic	Hours Required to cover the contents 1Hr.=60Min.
1.0		Introduction	
	1.1	Definition of Water Testing	15
	1.2	Process of Water Testing	
	1.3	Significance of Water Testing	
2.0		Types of Water Sources	
	2.1	Ground Water	15
	2.2	Surface Water	
	2.3	Rainwater	
3.0		Types of Water Testing Parameter	
	3.1	Physical Testing	15
	3.2	Chemical Testing	
	3.3	Biological Testing	
4.0		Importance of Water Testing	
	4.1	Agriculture	15
	4.2	Animal	
	4.3	Human health	
		Total	60

Suggested Readings:

1. Industrial Water Analysis Handbook Chemical Publishing Company originally published 2005 © Nataraj Manivasakam Printed in the United States of America.
2. UNICEF Handbook on Water Quality © United Nations Children's Fund (UNICEF), New York, 2008 UNICEF 3 UN Plaza, New York, NY 10017 2008.
3. Notes On Practical Water Analysis by W. D. COLLINS Contributions to the hydrology of the United States, 1927 (Pages 235-261) Published February 21, 1923 Reprinted with correction, 1945.
4. Food Safety and Standards Authority of India (Ministry of Health and Family Welfare) FDA Bhawan, Kotla Road, New Delhi-110002. www.fssai.gov.in.
5. Handbook of Water and Wastewater Analysis, Kanwaljit Kaur, Atlantic; Edition (1 January 2007); Atlantic Publishers and Distributors (P) Ltd
6. मृदा एवं जल परीक्षण, एस. एन. सिंग और भारत सिंग, मनीष प्रकाशन, वाराणसी 2012
7. गुणवत्ता पाण्याची, वैशाली खाडीलकर, दिलासा एग्रो प्रोसेसर अँड पब्लिशर्स प्रायव्हेट लिमिटेड, वेदांत नगर, औरंगाबाद 431005. ऑगस्ट 2012
8. डॉ.आप्पाराव आण्णाराव काळगापुरे, डॉ.नागनाथ माधवराव फड, डॉ.देविदास सदाशिव केंद्रे (2021) : जल परीक्षण आणि विश्लेषण, दयाधन पब्लिशर ग्रुप, हिंगोली
9. डॉ.सर्जेराव व्ही. ताटे (2016) : पावसाच्या पाण्याचे संधारण, चिन्मय प्रकाशन, औरंगाबाद



Swami Ramanand Teerth Marathwada University, Nanded

Under the Faculty of Humanities

SYLLABUS

GEOGRAPHY

**B.A./B.Sc. SECOND YEAR
(UNDER GRADUATION)**

SEMESTER PATTERN

SEMESTER FOURTH

**Effective from Academic year 2025-2026
As per NEP-2020**



Swami Ramanand Teerth Marathwada University, Nanded
Faculty of Humanities in Geography
Under Graduate Second Year Programme, Semester Fourth
Paper Code: HGEOCT1251, Title: Climatology
Curriculum Details

Pre-requisites:

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

Course Objectives:

1. To create awareness about weather and climatic phenomena
2. To develop an understanding regarding weather and climatic issues
3. To make students aware of global warming and climate change

Course Outcomes:

After completion of course students will be able to:

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



Swami Ramanand Teerth Marathwada University, Nanded

Faculty of Humanities in Geography

Paper Code: HGEOCT1251 Title: Climatology

Curriculum Details: (for 2 Credits)

Module	Unit	Name of Topic	Hours Required to cover the contents 1Hr.=60Min.
1.0		Introduction	
	1.1	Definition, nature and scope of climatology	08
	1.2	Elements of weather and Climate	
	1.3	Significance of Climatology	
2.0		Atmosphere, Insolation and Temperature	
	2.1	Atmosphere: Composition and Structure	08
	2.2	Insolation : Definition, affecting factors	
	2.3	Horizontal and Vertical distribution of temperature	
3.0		Atmospheric Pressure and Winds	
	3.1	Atmospheric pressure: vertical and horizontal distribution of pressure.	07
	3.2	Atmospheric motion: forces controlling motion of the air general circulation in the atmosphere	
	3.3	Types of Winds: Planetary and Local winds	
4.0		Atmospheric moisture, precipitation and Applied Climatology	
	4.1	Atmospheric Moisture: Types of humidity, Evaporation and conduction	07
	4.2	Acid Rain	
	4.3	Applied Climatology : Human Health, Agriculture, Urban Climate	
		Total	30

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, Sharda Pustak Bhavan, 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 पब्लिकेशन हाउस, पुणे.
9. शेते, फुले, शहापूरकर(1997): प्राकृतिक भूगोल, अभिजीत पब्लिकेशन, लातूर.
10. शेते एस. टी. (2003): हवामानशास्त्र आणि सागरविज्ञान, अभिजीत पब्लिकेशन, लातूर.
11. डॉ. विठ्ठल धारपुरे (2001): प्राकृतिक भूगोलाची मूलतत्वे, पिंपळापुरे अँड कंपनी पब्लिसर्स, नागपूर.
12. डॉ. व्ही. टी. नाईक, प्रा.बी.आर. गुरुडे, प्रा.पी.डी.राठोड (2010): प्राकृतिक भूगोलाची ओळख आणि मूलतत्वे, कैलास पब्लिकेशन औरंगपुरा, औरंगाबाद.
13. डॉ.पी.एम.नागतोडे (2009): हवामानशास्त्राची मुलतत्वे, विद्या प्रकाशन, नागपूर.
14. डॉ.डी.एस. गजहंस, डॉ.यु.बी. पवार (2010) : हवामानशास्त्र व सागरशास्त्र, शशिकांत पिंपळापुरे विद्या बुक पब्लिशर्स, औरंगाबाद
15. डॉ.हरिदास राठोड, डॉ.जनार्दन वाघमारे, डॉ.नामदेव वाघमारे (2013) : हवामानशास्त्र, डायमंड पब्लिकेशन, पुणे
16. प्राचार्य डॉ.एस.एच. गोणे, डॉ.ए.ए. काळगापुरे, डॉ.ए.एन. शिंदे, डॉ.पी.ए. हजारे (2025), हवामानशास्त्र, अथर्व पब्लिकेशन, जळगाव



Swami Ramanand Teerth Marathwada University, Nanded
Faculty of Humanities in Geography
Under Graduate Second Year Programme, Semester Fourth
Paper Code: HGEOCT1252, Title: Settlement Geography
Curriculum Details

Pre-requisites:

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

Course Objectives:

1. To understand the process of rural and urban settlements with relevant theories and models.
2. To create scientific and research approach among the students.
3. To prepare students for various competitive examinations

Course Outcomes:

After completion of course students will be able to:

1. Explain the Human Geography aspects such as settlement activity in the region.
2. The students are fully aware of human settlements
3. Understand the Settlement process associated with creating order and disorder of Settlement Geography



Swami Ramanand Teerth Marathwada University, Nanded

Faculty of Humanities in Geography

Paper Code: HGEOCT1252, Title: Settlement Geography

Curriculum Details: (for 2 Credits)

Module	Unit	Name of Topic	Hours Required to cover the contents 1Hr.=60Min.
1.0		Introduction	
	1.1	Definition, Nature and Scope of Settlement Geography	08
	1.2	Objectives of the settlement Geography	
	1.3	Origin and Evaluation of Settlements	
2.0		Rural Settlements	
	2.1	Factors Affecting on Distribution of Rural Settlements	08
	2.2	Types, Patterns and Functions of Rural Settlements	
	2.3	Problems of Rural Settlements	
3.0		Urban Settlements	
	3.1	Function and Classification of Urban Settlements	07
	3.2	Planning of Urban Settlements	
	3.3	Problems of Urban Settlements	
4.0		Theory and Landuse Models	
	4.1	Central Place Theory of Christaller	07
	4.2	Concentric Zone Model of E.W.Burgess	
	4.3	Sector Model of Homer Hoyte	
		Total	30

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, विद्याबुक्स पब्लिशर्स औरंगपुरा, औरंगाबाद.
- 14) डॉ. विठ्ठल घारपुरे (2013): वस्ती भूगोल, पिंपळापुरे अँड कंपनी पब्लिशर्स, नागपूर.
- 15) डॉ. नितीन देशमुख, डॉ.विष्णूदास राठोड, डॉ.सुनील राठोड (2025): वस्ती भूगोल, प्राईम प्रकाशन, जळगाव
- 16) प्रा.के.ए. खतीब(1995): वसाहती भूगोल, मेहता पब्लिशिंग हाऊस, पुणे.
- 17) प्रा.के.ए. खतीब(1995): नागरी भूगोल, मेहता पब्लिशिंग हाऊस, पुणे.
- 18) डॉ. आर.सी. तिवारी (2009): अधिवास भूगोल, प्रयाग पुस्तक भवन, इलाहबाद.
- 19) डॉ. सतनाम सिंह (2008): अधिवास भूगोल, विश्व भारती पब्लिशर्स,नई दिल्ली.
- 20) डॉ. एस. डी. मौर्य (2007): अधिवास भूगोल, शारदा पुस्तक भवन, इलाहबाद.
- 21) डॉ. सर्वेश्वर नाथ सिंह (2010): अधिवास भूगोल, राधा पब्लिकेशन, नई दिल्ली.
- 22) माजीद हुसेन (2007): मानव भूगोल, रावत पब्लिकेशन, जयपूर.
- 23) राजेश शुक्ला,रश्मी शुक्ला (2009): अधिवास भूगोल, अर्जुन पब्लिशिंग हाउस, नई दिल्ली.
- 24) रामयज्ञ सिंह (2005): अधिवास भूगोल, रावत पब्लिकेशन, जयपूर.
- 25) राजेश शुक्ला,रश्मी शुक्ला (2009): नागरीय भूगोल, अर्जुन पब्लिशिंग हाउस, नई दिल्ली.
- 26) डॉ.ए.एस. भोळे (2022) : वस्ती भूगोल, प्रशांत पब्लिकेशन्स, जळगाव



Swami Ramanand Teerth Marathwada University, Nanded

Faculty of Humanities in Geography

Under Graduate Second Year Programme, Semester Fourth

Paper Code: HGEOCP1253, Title: Practical Geography

Curriculum Details

Pre-requisites:

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

Course Objectives:

1. To become familiar with weather instruments and their functions
2. To give the skills and techniques to draw climatic graphs and diagrams
3. To inculcate in the students the skills of reading the Indian daily weather maps

Course Outcomes:

After completion of course students will be able to:

1. Understand the Structure and functions of weather Instruments
2. Draw climatic graphs and diagrams and analyse data
3. Interpret Indian daily weather reports



Swami Ramanand Teerth Marathwada University, Nanded

Faculty of Humanities in Geography

Paper Code: **HGEOCP1253**, Title: **Practical Geography**

Curriculum Details: (for 2 Credits)

Module	Unit	Name of Topic	Hours Required to cover the contents 1Hr.=60Min.
1.0		Weather Instruments (Mechanism, Function and Use)	
	1.1	Minimum and maximum Thermometer	15
	1.2	Rain gauge	
	1.3	Cup Anemometer	
2.0		Climatic Graphs and Diagrams	
	2.1	Wind Rose	15
	2.2	Climatograph	
	2.3	Hythergraph	
3.0		Weather Signs, Symbols and Shapes of Isobar Reports	
	3.1	Weather Signs and Symbols	15
	3.2	Shapes of Isobars on Weather Maps	
	3.3	Rainfall dispersion diagram	
4.0		Study of Indian Daily Weather Report	
	4.1	Interpretation of Indian Daily Weather Maps one each from Winter, Summer and Rainy season	15
	4.2	Weather Station Model	
	4.3	Identification of climatic types according to Koppens	
		Total	60

Suggested Readings:

1. Croxton & Cowden: Applied General Statistics
2. Hammod & Mc Gullah: Quantitative Techniques in Geography
3. Khan Z.A.: Textbook 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 (1993): प्रात्यक्षिक भूगोल, रस्तोगी प्रकाशन, मेरठ.
12. पी. एल. मिश्र (2010): प्रायोगिक भूगोल, विश्व भारती पब्लिकेशनस, नई दिल्ली.
13. रामचंद्र तिवारी, सुधाकर त्रिपाठी (2009): प्रायोगिकभूगोल, प्रयाग पुस्तक भवन, इलाहाबाद
14. डॉ. डी. वाय. अहिरराव, प्रा.इ.के. करंजखेले (2010): प्रात्यक्षिक भूगोल; सुदर्शन प्रकाशन, गंगापूर रोड, नाशिक.
15. डॉ. नागतोडे व लांजेवार (2009): नकाशाशास्त्र व प्रात्यक्षिक भूगोल; पिंपळापुरे अँड कंपनी पब्लिसर्स, नागपूर
16. डॉ. कनकुरे, डॉ. मानकरी, रमेश मुगावे (2012): प्रात्यक्षिक भूगोल, अरुणा प्रकाशन, लातूर.
17. डॉ. अर्जुन कुंभार (2003): प्रात्यक्षिक भूगोल, सुमेरू प्रकाशन,डोबीवली.
18. हरिलाल यादव (2011): प्रायोगिक भूगोल, राधा पब्लिकेशनस, नई दिल्ली.
19. जयकुमार मगर (1990): प्रात्यक्षिक भूगोल, विद्या प्रकाशन, नागपूर.



Swami Ramanand Teerth Marathwada University, Nanded
Faculty of Humanities in Geography
Under Graduate Second Year Programme, Semester Fourth
Paper Code: HGEOCP1254, Title: Practical Geography
Curriculum Details

Pre-requisites:

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

Course Objectives:

1. To familiarize the students with statistical techniques.
2. To give the skill of assumption and interpretation of these methods and analyze the data.
3. To introduce some basic research method to the students to the applied to various themes in Human Geography.

Course Outcomes:

After completion of course students will be able to:

1. Develop an understanding of nature and limitation of data used in geographical analysis.
2. Apply the various indices to the human aspects.
3. Interpret the result through settlements dispersion and centrality index methods



Swami Ramanand Teerth Marathwada University, Nanded

Faculty of Humanities in Geography

Paper Code: HGEOCP1254, Title: Practical Geography

Curriculum Details: (for 2 Credits)

Module	Unit	Name of Topic	Hours Required to cover the contents 1Hr.=60Min.
1.0		Techniques in Rural Settlement	
	1.1	Debouveries Method of Degree of Dispersion	15
	1.2	Bernhard's Method of Degree of Dispersion	
	1.3	Demangaon Method of Degree of Dispersion	
2.0		Techniques in Urban Settlement	
	2.1	Growth of Urban Population	15
	2.2	Degree of Urbanization	
	2.3	Centrality index by W. Christaller's	
3.0		Quantitative Methods	
	3.1	Rank Size Rule	15
	3.2	Nearest Neighbour Method	
	3.3	Density of Settlement	
4.0		Graphs and Pyramid Diagrams	
	4.1	Line Graphs (Simple & Multiple)	15
	4.2	Bar Graphs (Simple & Multiple)	
	4.3	Pyramid Diagrams (Simple & Compound)	
		Total	60

Suggested Readings:

1. Croxton & Cowden: Applied General Statistics
2. Hammod & Mc Gullah: Quantitative Techniques in Geography
3. Khan Z.A.: Textbook 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 (1993): प्रात्यक्षिक भूगोल, रस्तोगी प्रकाशन, मेरठ.
12. रामचंद्र तिवारी, सुधाकर त्रिपाठी (2009): प्रायोगिक भूगोल, प्रयाग पुस्तक भवन, इलाहाबाद.
13. डॉ. डी. वाय. अहिराव, प्रा.इ.के. करंजखेले (2010): प्रात्यक्षिक भूगोल; सुदर्शन प्रकाशन, गंगापूर रोड, नाशिक.
14. डॉ. नागतोडे व लांजेवार (2009): नकाशाशास्त्र व प्रात्यक्षिक भूगोल; पिंपळापुरे अँड कंपनी पब्लिसर्स, नागपूर
15. डॉ. कनकुरे, डॉ. मानकरी, रमेश मुगावे(2012): प्रात्यक्षिक भूगोल, अरुणाप्र काशन, लातूर.
16. डॉ. अर्जुन कुंभार(2003):प्रात्यक्षिक भूगोल, सुमेरू प्रकाशन, डोबीवली.
17. हरिलाल यादव (2011): प्रायोगिक भूगोल, राधा पब्लिकेशनस, नई दिल्ली.
18. जयकुमार मगर (1993): प्रात्यक्षिक भूगोल, विद्या प्रकाशन, नागपूर.
19. पी. एल. मिश्र (2010): प्रायोगिक भूगोल, विश्व भारती पब्लिकेशनस, नई दिल्ली.



Swami Ramanand Teerth Marathwada University, Nanded

Faculty of Humanities in Geography

Under Graduate Second Year Programme, Semester Fourth

Paper Code: HGEOMT1251, Title: Human Geography of Marathwada

Curriculum Details

Pre-requisites:

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

Course Objectives:

1. To understand the demographic characteristics and population distribution in Marathwada.
2. To analyze migration patterns and urbanization trends in the region.
3. To explore the role of agriculture and industries in regional economic development.
4. To examine rural and urban settlement patterns and their socio-economic significance

Course Outcomes:

After completion of course students will be able to:

1. Gain knowledge about population growth, composition, and density in Marathwada.
2. Understand the causes and effects of migration and urbanization on regional development.
3. Analyze the impact of agriculture and industries on human geography.
4. Develop an understanding of rural and urban settlement patterns and their planning implications.



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

Paper Code: HGEOMT1251, Title: Human Geography of Marathwada

Curriculum Details: (for 2 Credits)

Module	Unit	Name of Topic	Hours Required to cover the contents 1Hr.=60Min.
1.0		Demographic Characteristics of Marathwada	
	1.1	Population Growth and Distribution	08
	1.2	Population Composition – Age, Sex, Literacy	
	1.3	Population Density and Regional Variations	
2.0		Migration and Urbanization	
	2.1	Causes and types of population migration	08
	2.2	Urbanization Trends and Growth of Cities	
	2.3	Impact of Migration and Urbanization on Regional Development	
3.0		Agriculture and Industry	
	3.1	Factors affecting on agriculture	07
	3.2	Major cash crops (Sugarcane, Cotton, Groundnut & Banana)	
	3.3	Major Sugar industry and MIDC	
4.0		Human Settlements	
	4.1	Rural Settlement Characteristics of Marathwada	07
	4.2	Urban Settlement Characteristics of Marathwada	
	4.3	Patterns of rural settlements of Marathwada	
		Total	30

Suggested Readings:

1. District Gazetteer of Sambhajinagar (Aurangabad) District, Govt. of India.
2. District Gazetteer of Jalna District, Govt. of India
3. District Gazetteer of Beed District, Govt. of India.
4. District Gazetteer of Dharashiv (Osmanabad) District, Govt. of India.
5. District Gazetteer of Nanded District, Govt. of India.
6. District Gazetteer of Latur District, Govt. of India.
7. District Gazetteer of Parbhani District, Govt. of India.
District Gazetteer of Hingoli District, Govt. of India.
8. District Census Handbooks (1951 to 2011, all Concern Districts) Govt. of India.
9. Annual Socio Economics Abstracts, (1951to 2011, all Concern Districts) Govt. of Marathwada.
10. Jyotiram More, Atul Jethe : Geography of Maharashtra, Nirali Publication, Pune
11. नांदेड, हिंगोली, बीड, उमानाबाद, छ. संभाजी नगर, जालना, लातूर व परभणी जिल्हा भूगोल महाराष्ट्र राज्य पाठ्यपुस्तक निर्मिती अभ्यासक्रम संशोधन मंडळ पुणे.
12. डॉ.सुभाष सारंग (1996) : मानवी भूगोल, विद्या प्रकाशन, नागपूर
13. राहुल पाटील, विकास गिरासे : महाराष्ट्राचा भूगोल, युनिक अकॅडमी, पुणे
14. प्रा.पी.एस. कोळेकर : महाराष्ट्राचा भूगोल, निराली प्रकाशन, पुणे
15. प्रा.ए.बी. सवदी: महाराष्ट्राचा भूगोल, निराली प्रकाशन, पुणे
16. प्रा.के.ए. खतीब (2015) : महाराष्ट्राचा भूगोल, मेहता पब्लिशिंग हाऊस, पुणे
17. प्रा.टी.के. पाटील (1998) : महाराष्ट्राचा भूगोल, पिंपळापुरे अँड पब्लिकेशन, नागपूर
18. डॉ.श्रीकांत कार्लेकर (2013): महाराष्ट्राचा भूगोल, डायमंड पब्लिकेशन, पुणे
19. डॉ.नितीन देशमुख, डॉ.सखाराम वाघमारे (2025) : मराठवाडा भूगोल, विद्या प्रकाशन, छत्रपती संभाजीनगर
20. डॉ.भागवत पस्तापुरे, डॉ.बालाजी आव्हाड (2025) : मराठवाडा भूगोल भाग-2, अरुणा प्रकाशन, लातूर



Swami Ramanand Teerth Marathwada University, Nanded
Faculty of Humanities in Geography
Under Graduate Second Year Programme, Semester Fourth
Paper Code: HGEOMT1252, Title: Cultural Geography
Curriculum Details

Pre-requisites:

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

Course Objectives:

1. To explore the spatial aspects of culture
2. To examine focusing on cultural diversity, and human interactions

Course Outcomes:

After completion of course students will be able to:

1. Understand the nature, scope, and purpose of Cultural Geography.
2. Analyze its relationship with Sociology, History, and Anthropology.
3. Examine cultural structures, functions, and processes in different contexts.
4. Explore cultural diversity and identity through race, religion, and language.



Swami Ramanand Teerth Marathwada University, Nanded

Faculty of Humanities in Geography

Paper Code: HGEOMT1252, Title: Cultural Geography

Curriculum Details: (for 2 Credits)

Module	Unit	Name of Topic	Hours Required to cover the contents 1Hr.=60Min.
1.0		Introduction	
	1.1	Definitions nature and Scope of Cultural Geography	08
	1.2	Elements of Cultural Geography	
	1.3	Significance of Cultural Geography	
2.0		Cultural Aspect	
	2.1	Concept of Culture and Cultural Regions	08
	2.2	Types of Cultures	
	2.3	World Cultural regions	
3.0		Cultural Groups	
	3.1	Ethnicity	07
	3.2	Religion	
	3.3	Language	
4.0		Cultural Transformation	
	4.1	Definition of Cultural Transformation	07
	4.2	Processes of Cultural Transformation	
	4.3	Cultural Transformation and Migration	
		Total	30

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. Mahbubul: 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.एस.डी. मौर्य, डॉ.शालिनी (2007) : सांस्कृतिक भूगोल, शारदा पुस्तक भवन, प्रयागराज
15. डॉ.गायत्री प्रसाद (2011) : सांस्कृतिक भूगोल, शारदा पुस्तक भवन, प्रयागराज
16. डॉ. विठल घारपुरे (2008): सामाजिक आणि सांस्कृतिक भूगोल, पिंपळापुरे अँड कंपनी पब्लिशर्स, नागपूर.



Swami Ramanand Teerth Marathwada University, Nanded

Faculty of Humanities in Geography

Under Graduate Second Year Programme, Semester Fourth

Paper Code: HGEOGE1251, Title: Resource Management (GE)

Curriculum Details

Pre-requisites:

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

Course Objectives:

1. To understand the concept & approaches of resource management.
2. To differentiate characteristics of renewable & non-renewable resources.
3. To study the need for conservation & management of resources.
4. To understand the policies on renewable energy in India

Course Outcomes:

After completion of course students will be able to:

1. Understand the meaning of conservation & management of resources.
2. Understand about Resource Appraisal.
3. Make awareness in students about resources



Swami Ramanand Teerth Marathwada University, Nanded

Faculty of Humanities in Geography

Paper Code: HGEOGE1251, Title: Resource Management (GE)

Curriculum Details: (for 2 Credits)

Module	Unit	Name of Topic	Hours Required to cover the contents 1Hr.=60Min.
1.0		Introduction	
	1.1	Definition, Nature and Scope of resource management	08
	1.2	Approaches to resource management	
	1.3	Significance of study of Resources Management.	
2.0		Resources	
	2.1	Meaning of Resource	08
	2.2	Types of Resources – Natural and Cultural, Biotic and Abiotic, Renewable and Non-Renewable.	
	2.3	Importance of Resources.	
3.0		Conservation & Management	
	3.1	Meaning of conservation management.	07
	3.2	Methods of conservation of resources.	
	3.3	Need for Resource Management	
4.0		Resource Appraisal Policy	
	4.1	Water as a Resource-Conservation of water and Agricultural, Industrial use of water.	07
	4.2	Soil as a Resource-Soil erosion, degradation and conservation	
	4.3	Policies on Renewable Energy in India.	
		Total	30

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. Dr.Gaurav Sankalp (2003) : Human Resource Management, Sahitya Bhawan Publication, Agra
4. एस.डी. मौर्य (2006) : संसाधन भूगोल, प्रयाग पुस्तक भवन, इलाहाबाद
5. एस.डी. मौर्य (2006) : संसाधन एवं पर्यावरण, प्रयाग पुस्तक भवन, इलाहाबाद
6. देवेश कौशिक (2012) : संसाधन भूगोल, अर्जन पब्लिकेशन, नई दिल्ली
7. कामेश पंडित (2003) : मानव संसाधन, साहित्य भवन पब्लिकेशन, आगरा
8. रामकुमार वर्मा (2017) : जलसंसाधन भूगोल, अर्जन पब्लिकेशन, नई दिल्ली
9. डॉ.विठ्ठल धारपुरे (2000) : साधनसंपत्ति भूगोल, पिंपळापुरे अँड कंपनी पब्लिशर्स, नागपूर
10. प्रा.डॉ.डी.एस. सूर्यवंशी, प्रा.एस.बी. पाटील, प्रा.डॉ.पी.के. पाटील (2004) : साधनसंपदा भूगोल, प्रशांत पब्लिकेशन, जळगांव



Swami Ramanand Teerth Marathwada University, Nanded
Faculty of Humanities in Geography
Under Graduate Second Year Programme, Semester Fourth
Paper Code: **HGEOSC1251**, Title: **Land Survey and Measurement (SEC)**
Curriculum Details

Pre-requisites:

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

Course Objectives:

1. To make the students aware about the basic concepts of Surveying
2. To enable the students to take up career in the field of surveying by understanding concepts, development and trends

Course Outcomes:

After completion of course students will be able to:

1. Get acquainted with the importance of various key concept along with development and new trends of surveying techniques in geography.
2. Develop the own skill of surveying in the students
3. Surveyed maps that shows the natural and artificial features of a property including elevations, contours, buildings, roads and utilities.
4. The students will gain knowledge about the structure functions and uses of surveying instruments like Abney level prismatic compass, Indian clinometers etc.



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

Paper Code: **HGEOSC1251**, Title: **Land Survey and Measurement (SEC)**

Curriculum Details: (for 2 Credits)

Module	Unit	Name of Topic	Hours Required to cover the contents 1Hr.=60Min.
1.0		Introduction to Surveying	
	1.1	Definition, Nature and Scope of Surveying	15
	1.2	Introduction to survey Instruments	
	1.3	Chain-tape Survey-open and close traverse.	
2.0		Plane Table Survey	
	2.1	Plane Table Survey--intersection method	15
	2.2	Plane Table Survey-Open traverse	
	2.3	Plane Table Survey-Close traverse	
3.0		Prismatic Compass Survey	
	3.1	Prismatic compass survey-open and close traverse.	15
	3.2	Bowditch's method with correction of bearing.	
	3.3	Conversion of bearing. Whole circle bearing to Quadrant bearing & Vice-versa.	
4.0		Measurement of Height	
	4.1	Instruments for Measurement of Height	15
	4.2	Measurement of Height by Abney Level	
	4.3	Measurement of Height by Indian Clinometer	
		Total	60

Suggested Readings:

1. Khan, S.A.: Text Book of Practical Geography.
2. Mishra, R.P. & Ramesh, A.: Fundamentals of Cartography.
3. Monkhouse, F.J. & Wilkinson, H.R.: Maps and Diagrams
4. Singh R.L.: Elements of Practical Geography.
5. चतुर्भूज मेमोरिया (2015) : मानचित्र एवं प्रायोगिक भूगोल, साहित्य भवन पब्लिकेशन,
6. चतुर्भूज मेमोरिया (1998) प्रात्यक्षिक भूगोल, सुमेरू प्रकाशन, डोंबिवली पुर्व
7. डॉ.जयकुमार मगर (1993) : प्रात्यक्षिक भूगोल भाग 1, 2 व 3
8. रामलोचन सिंग व दत्ता पी.के. (2001): प्रयोगात्मक भूगोल
9. डॉ.विठ्ठल धारपुरे व प्रा.व्ही.के. पवार (1993): प्रात्यक्षिक भूगोल, पिंपळापुरे प्रकाशन, नागपूर
10. डॉ.प्रविण सप्तर्षी (1990) : सांख्यिकी भूगोल, निराली प्रकाशन, पुणे
11. डॉ.काळे व्ही.बी. (2021) : प्रात्यक्षिक भूगोल, प्रशांत पब्लिकेशन, जळगाव
12. डॉ.अर्जुन कुंभार (1996) : प्रात्यक्षिक भूगोल, सुमेरू प्रकाशन, डोंबिवली पुर्व
13. डॉ.गाथाडे डी.जी. व डॉ.अॅडव्हितोट (2002) : प्रात्यक्षिक भूगोल, अक्षरलेणं प्रकाशन, सोलापूर
14. अहिरराव व अलिझाड (1993) : प्रात्यक्षिक भूगोल, विद्या प्रकाशन, नागपूर

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.

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

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

1. ESE Question paper will consists of 6 questions. Each of 10 marks for 2 Cr.pattern and 15 marksfor3 Cr. pattern. (BOS may change scheme of marking.)
2. There will be 4-5 sub questions in QuestionNo.1
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. Studentsneed to solve ANY THREE of the remaining Five Question (Q.2toQ.6) and shall be based on entire syllabus.

C. Assessment of Term Work/Tutorial/Fieldworks:

At least 06 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. Assessment of Community Engagement Services:

Students have freedom to take more than one CES/CC courses, however, marks of the best performing CES/CC be considered for final assessment. Assessment of the CES/CC courses be done by the respective course coordinators depending on the performance of the student and his participation in the international, national, state, university, college level events or camps, wherever applicable. In other cases performance of a student be assessed depending on his/her regularity, participation in the regular activities in the semester.

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



Swami Ramanand Teerth Marathwada University, Nanded

Faculty of Humanities in Geography (DSC)

Under Graduate Second Year Programme, Semester Third/Fourth

**Theory Question Paper Pattern
(2 Credits) with effective from
2025-26**

Time:2 Hrs.

Marks:40

-
- i) Question No.1 will be compulsory and shall be based on entire syllabus.
 - ii) Students are required to solve a total of 4 Questions.
 - iii) Students need to solve *ANY THREE* of the remaining Five Question (Q.2 to Q.6) and shall be based on entire syllabus.

Q. 1) Write a short answer	10
a)	
b)	
c)	
d)	
Q. 2) Descriptive Questions	10
Q. 3) Descriptive Questions	10
Q. 4) Descriptive Questions	10
Q. 5) Descriptive Questions	10
Q. 6) Descriptive Questions	10



Swami Ramanand Teerth Marathwada University, Nanded

Faculty of Humanities in Geography (DSC)

Under Graduate Second Year Programme, Semester Third

Paper Code: HGEOCP1203 Title: Practical Geography

End of Semester Examination (ESE)

Practical Question Paper Pattern (2 Credits)

Time:3Hrs.

Marks:40

Q.1)	a. Methods of Slope Expression (anyone)	05
	b. Representation of Landforms of Elevation by Contour (Anyone)	05
Q.2)	a. Representation of Landforms of Depression by Contour (Anyone)	05
	b. Drawing of Cross section from Contour Map (Anyone)	05
Q.3)	a. Interpretation of Toposheet Map	05
	b. Tour and Preparation Report	05
Q.4)	Journal and Viva-voce.	10



Swami Ramanand Teerth Marathwada University, Nanded

Faculty of Humanities in Geography (DSC)

Under Graduate Second Year Programme, Semester Third

Paper Code: HGEOCP1204 Title: Practical Geography

End of Semester Examination (ESE)

Practical Question Paper Pattern (2 Credits)

Time:3Hrs.

Marks:40

-
- | | | |
|------|---|----|
| Q.1) | Calculate the Density of population (Anyone) | |
| | a. Anyone | 05 |
| | b. Anyone | 05 |
| Q.2) | Calculate the Measures of Fertility (Anyone) | |
| | a. Anyone | 05 |
| | b. Anyone | 05 |
| Q.3) | Calculate the Measures of Mortality and Population Growth | |
| | a. Measures of Mortality (Anyone) | 05 |
| | b. Population Growth (Anyone) | 05 |
| Q.4) | Journal and Viva-voce. | 10 |



Swami Ramanand Teerth Marathwada University, Nanded

Faculty of Humanities in Geography (DSC)

Under Graduate Second Year Programme, Semester Fourth

Paper Code: HGEOCP1253 Title: Practical Geography

End of Semester Examination (ESE)

Practical Question Paper Pattern (2 Credits)

Time:3Hrs.

Marks:40

Q.1)	Weather Instruments (Mechanism, Function and Use)	
	a.Minimum and Maximum Thermometer	05
	b. Rain Gauge/Cup Anemometer	05
Q.2)	Climatic Graphs and Diagrams	
	a. Anyone	05
	b. Anyone	05
Q.3)	Weather Signs, Symbols and Study of Indian Daily Weather Report	
	a. Weather Signs, Symbols (Any Four) / Shapes of Isobars Pattern(Any Two)	04
	b. Study of Indian Daily Weather Report (Winter/Summer/Rainy season)	06
Q.4)	Journal and Viva-voce.	10



Swami Ramanand Teerth Marathwada University, Nanded

Faculty of Humanities in Geography (DSC)

Under Graduate Second Year Programme, Semester Fourth

Paper Code: HGEOCP1254 Title: Practical Geography

End of Semester Examination (ESE)

Practical Question Paper Pattern (2 Credits)

Time:3Hrs.

Marks:40

Q.1)	Techniques in Rural Settlement (Anyone)	10
Q.2)	Techniques in Urban Settlement and Quantitative Methods	
	a. Techniques in Urban Settlement (Anyone)	05
	b. Quantitative Methods (Anyone)	05
Q.3)	Graphs and Pyramid Diagrams	
	a. Line Graphs and Bar Graphs (Simple & Multiple)	05
	b. Pyramid Diagrams (Simple & Multiple)	05
Q.4)	Journal and Viva-voce.	10