।। सा विद्या या विमुक्तये ।।

# स्वामी रामानंद तीर्थ मराठवाडा विद्यापीठ, नांदेड

"ज्ञानतीर्थ" परिसर, विष्णुपूरी, नांदेड - ४३१६०६ (महाराष्ट्र)

**SWAMI RAMANAND TEERTH MARATHWADA UNIVERSITY NANDED**

"Dnyanteerth", Vishnupuri, Nanded - 431606 Maharashtra State (INDIA)

Established on 17th September 1994 – Recognized by the UGC U/s 2(f) and 12(B), NAAC Re-accredited with 'A' Grade

## ACADEMIC (1-BOARD OF STUDIES) SECTION

**Phone: (02462) 229542**
**Fax : (02462) 229574**

**Website: www.srtmun.ac.in**

**E-mail: bos.srtmun@gmail.com**

**संलग्नित महाविद्यालयांतील मानवविज्ञान विद्याशाखेतील पदव्युत्तर स्तरावरील द्वितीय वर्षाचे CBCS Pattern नुसारचे अभ्यासक्रम शैक्षणिक वर्ष २०२०–२१ पासून लागू करण्याबाबत.**

# प रि प त्र क

या परिपत्रकान्वये सर्व संबंधितांना कळविण्यात येते की, **दिनांक २० जून २०२० रोजी संपन्न झालेल्या ४७व्या मा. विद्या परिषद बैठकीतील विषय क्र.१३/४७–२०२०**च्या ठरावानुसार प्रस्तुत विद्यापीठाच्या **संलग्नित महाविद्यालयांतील मानवविज्ञान विद्याशाखेतील पदव्युत्तर स्तरावरील द्वितीय वर्षाचे** खालील विषयांचे **C.B.C.S. (Choice Based Credit System) Pattern** नुसारचे अभ्यासक्रम शैक्षणिक वर्ष २०२०–२१ पासून लागू करण्यात येत आहेत.

१) एम.ए.–द्वितीय वर्ष–इंग्रजी
२) एम.ए.–द्वितीय वर्ष–हिंदी
३) एम.ए.–द्वितीय वर्ष–मराठी
४) एम.ए.–द्वितीय–संस्कृत
५) एम.ए.–द्वितीय वर्ष–उर्दू
६) एम.ए.–द्वितीय वर्ष–अर्थशास्त्र
७) एम.ए.–द्वितीय वर्ष–भूगोल
८) एम.ए.–द्वितीय वर्ष–इतिहास
९) एम.ए.–द्वितीय वर्ष–तत्त्वज्ञान
१०) एम.ए.–द्वितीय वर्ष–राज्यशास्त्र
११) एम.ए.–द्वितीय वर्ष–मानसशास्त्र
१२) एम.ए.–द्वितीय वर्ष–लोकप्रशासन
१३) एम.ए.–द्वितीय वर्ष–समाजशास्त्र

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

'ज्ञानतीर्थ' परिसर,
विष्णुपुरी, नांदेड – ४३१ ६०६.
**जा.क्र.:** शैक्षणिक–१/परिपत्रक/पदव्युत्तर–सीबीसीएस अभ्यासक्रम/२०२०–२१/**२५०**

**दिनांक :** ०८.०७.२०२०.

स्वाक्षरित/–
**उपकुलसचिव**
शैक्षणिक (१–अभ्यासमंडळ) विभाग

प्रत माहिती व पुढील कार्यवाहीस्तव :
१) मा. कुलसचिव यांचे कार्यालय, प्रस्तुत विद्यापीठ.
२) मा. संचालक, परीक्षा व मूल्यमापन मंडळ यांचे कार्यालय, प्रस्तुत विद्यापीठ.
३) प्राचार्य, सर्व संबंधित संलग्नित महाविद्यालये, प्रस्तुत विद्यापीठ.
४) साहाय्यक कुलसचिव, पदव्युत्तर विभाग, प्रस्तुत विद्यापीठ.
५) उपकुलसचिव, पात्रता विभाग, प्रस्तुत विद्यापीठ.
६) सिस्टम एक्सपर्ट, शैक्षणिक विभाग, प्रस्तुत विद्यापीठ.

# SWAMI RAMANAND TEERTH MARATHWADA UNIVERSITY, NANDED

## SYLLABUS

## GEOGRAPHY

## M.A./M.Sc. SECOND YEAR

## SEMESTER PATTERN

## (Choice Based Credit System)

## With Effect From June 2020

**SWAMI RAMANAND TEERTH MARATHWADA UNIVERSITY, NANDED**

**Semester Pattern Choice Based Credit System (CBCS) Course Structure**
**M. A./M.Sc. Second Year**
**Subject-Geography**
***With effect from*: June, 2020**

## Semester-III

| Paper No. | Title of the Paper | Periods per week | Total No. of Periods | Marks | | | Credits | Duration of Examination |
|---|---|---|---|---|---|---|---|---|
| | | | | CA | ESE | Total | | |
| IX | Geography of Regional Planning | 4 | 50 | 25 | 75 | 100 | 4 | 3 Hour |
| X | Biogeography | 4 | 50 | 25 | 75 | 100 | 4 | 3 Hour |
| XI | Agriculture Geography **OR** Research Methodology in Geography | 4 | 50 | 25 | 75 | 100 | 4 | 3 Hour |
| XII | Geography Practical | 6 | 70 | 25 | 75 | 100 | 4 | 4 Hour |
| | **Total** | **18** | **220** | **100** | **300** | **400** | **16** | |

## Semester-IV

| Paper No. | Title of the Paper | Periods per week | Total No. of Periods | Marks | | | Credits | Duration of Examination |
|---|---|---|---|---|---|---|---|---|
| | | | | CA | ESE | Total | | |
| XIII | Population Geography | 4 | 50 | 25 | 75 | 100 | 4 | 3 Hour |
| XIV | Social and Cultural Geography | 4 | 50 | 25 | 75 | 100 | 4 | 3 Hour |
| XV | Geography of Maharashtra **OR** History of Geographical Thought | 4 | 50 | 25 | 75 | 100 | 4 | 3 Hour |
| XVI | Geography Practical | 6 | 70 | 25 | 75 | 100 | 4 | 4 Hour |
| XVII | Project | | | 25 | 75 | 100 | 4 | |
| | **Total** | **18** | **220** | **125** | **375** | **500** | **20** | |

Note :

1. Continuous Assessment (25marks) will be as follows
    a. Two tests of 5 marks each. = 10 Marks
    b. Home assignment = 10 Marks
    c. Seminar = 05 Marks
2. Total periods for each theory paper shall be 50 per semester.
3. Total periods for each practical paper shall be 70 per semester
4. Strength of students for each practical batch shall not be more than twelve (12)
5. Six periods for practical per batch per week
6. Submission of certified journal and field report is compulsory without which students will not be allowed to appear for practical examination.

**M.A. / M.Sc. FIRST YEAR**
**SEMESTER-III**
**PAPER-IX**
**Geography of Regional Planning**

**Marks: 100** **Credit: 04** **Period: 50**

**Salient Features**

1. The aim of this course is to introduce the students with the fundamentals of regional planning

**Utility**

1. To help students to know the significance of regional planning in regional and economic development

**Learning Objectives**

1 To provide in fundamental knowledge of regional planning
2. To prepare students for various competitive examinations
3. To nurture scientific and research approach among the students

**Pre-requisites**

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

**Unit I: Introduction** **10Periods**

A) Concept of region and regionalism
B) Types of region in the context of planning
C) Methods of regional delineation.
D) Meaning, aim and objectives of regional planning.

**Unit II: Types of Planning** **10Periods**

A) Short term planning and long term planning.
B) Physical and economic planning.
C) Single level and multilevel planning.
D) Development and imperative planning.

**Unit III: Concept of Growth and Development** **08 Periods**

A) Concept of growth and development.
B) Indicators of development, measures of regional development.
C) Regional imbalances in India – Agricultural, Industrial, Rural-Urban.

**Unit IV: Models of Economic Growth** **06 Periods**

A) Rostov's model of stages in historical growth.
B) Myrdal's concept of internal growth.

**Unit V: Theoretical Frame Work For Regional Planning** **08 Periods**

A) Central place theory.
B) Growth pole.
C) Growth foci approach.

**Unit VI: Regional Planning In India** **08 Periods**

A) Metropolitan planning.
B) Rural development planning.
C) Tribal area development planning.

**Suggested Reading:**


1. Abler, R., et. al: Spatial Organization : The geographer's view of the world, prentice Hall, Cliffs, N.J. 1971
2. Bhat, L.S: Regional Planning in India, Statistical Publishing Society, Caluctta, 1973
3. Bhat, L.S. et al: Micro – Level Planning, A Case study of Karnal Area, Haryana, K.B. Publications New Delhi, 1976
4. Chorley, R.J. and Hagget, P.: Models in Geography, Methuen, London, 1967
5. Christaller, w.: Central Places in Southern Germany, Translated by C.W. Baskin. Prentice Hall. Englewood Cliffs,New Jersey, 1966
6. Friedmann, J and Alonso, w.: Regional Development Policy –A case study of Venezuela. M.I.T.Press Cambridge., mass,1967
7. Friedmann,. J. and Alonso, W.: Regional Development and planning – A Reader, M.I.T. Press, Cambridge, Mass.1967.
8. Glikson, Arthur : Regional Planning and Development, Netherlands Universities foundation for international Cooperation, London, 1955.
9. Gosal, G.S. and Krishan, G: Regional Disparities in Levels of Socio – Economic Development in Punjab, Vishal publications, kurukshetra, 1984.
10. Government of India, planning Commission : Third Five year Plan, Chapter on regional Imbalances in Development, New Delhi 1961.
11. Indian Council of social science Research : Survey of research in Geography, Popular prakashan, Bombay, 1972.
12. Johnson, E.A.J. The organization of Space in developingCountries, Harvard University press, Cambridge, 1970.
13. Kuklinski, A.R.(ed) Growth poles and Growth Centers in Regional planning, Mouton,The Hague, 1972.
14. Kundu, A and Raza, Moonis: Indian Economy- The Regional Dimension, Spectrum Publishers, New Delhi, 1982.

**M.A. / M.Sc. FIRST YEAR**
**SEMESTER-III**
**PAPER-X**
**Biogeography**

**Marks: 100** **Credit: 04** **Period: 50**

**Salient Features**

1. The aim of this course is to introduce the students with the fundamentals of biogeography.

**Utility**

1. To help students to know the significance of study of biogeography.

**Learning Objectives**

1. To provide in depth knowledge about biogeography
2. To prepare students for various competitive examinations
3. To nurture scientific and research approach among the students

**Pre-requisites**

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

**Unit I: Introduction** **12Periods**

A) Nature, scope, and significance of Biogeography.

B) Plant and Animal classification, Basis of Classification- Taxonomic and Ecological

C) Geographical basis of Plant classification.

**Unit II: Plants, Forests and Policies** **12Periods**

A) Plant Geography – elements, influence of physical environment on plants.

B) Distribution of forests and major communities.

C) Deforestation, Forestation and social forestry in India, National forest policies of India.

**Unit III: Environment and Zoogeography** **12Periods**

A) Zoogeography – Distribution of major animal. Grouping in the world and in India.

B) Environmental relationship with Zoogeography.

**Unit IV: Ecosystem, Hazards and Biodiversity** **14Periods**

A) Eco-system, forms and functions.

B) Ecological Balance, Environmental hazards, pollution problems and ozone depletion.

C) Biodiversity and its depletion through natural and man induced causes.

**Suggested Readings:**

1. Agarwal, D.P.: Man and Environment in India Through Ages, 1992.

2. Bradshaw, M.J.: Earth and Living Planet, ELBS. London, 1979.

3. Cox,C.D. and Moore, P.D.: Biogeography : An Ecological and Evolutionary approach 5th edn.Blackwell 1993.

4. Gaur, R: Environment and Ecology of Early man in Northern India, R.B. Publication Corporation 1987.

5. Hoyt. J.B.: Man and the Earth, Prentice Hall, U.S.A. 1992.

6. Huggett. R.J.: Fundamentals of Biogeography. Routledge, U.S.A. 1998.

7. IIIies, J: Introduction to Zoogeography, McMillan, London 1974.

8. Khoshoo, T.N. and Sharma, M. (eds): Indian Geosphere – Biosphere Har-Anand Publication, Delhi 1991.

9. Lapedes, D.N. (ed): Encyclopedia of Environmental Science, McGraw Hill, 1974.

**M.A. / M.Sc. FIRST YEAR**
**SEMESTER-III**
**PAPER-XI**
**Agriculture Geography**

**Marks: 100** **Credit: 04** **Period: 50**

**Salient Features**

1. The aim of this course is to introduce the students with the fundamentals of agriculture geography.

**Utility**

1. To help students to know the approaches to study agriculture geography.
2. To study the methods of regionalization of agriculture

**Learning Objectives**

1. To provide in depth knowledge about agriculture geography
2. To prepare students for various competitive examinations
3. To nurture scientific and research approach among the students

**Pre-requisites**

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

**Unit I: Introduction** **10Periods**

A) Definition, nature and scope of Agricultural Geography.

B) Origin and evolution of Agriculture.

C) Approaches to study Agricultural Geography, systematic and regional approach

**Unit II: Determinants of Agricultural Landuse** **10Periods**

A) Determinants of agricultural land use

i) Physical,
ii) Economic,
iii) Social and technological.

**Unit III: Landuse Study** **06 Periods**

A) Meaning, need, objectives and approaches of landuse study

B) Land capability and Land suitability.

**Unit IV: Methods of Agricultural Regionalization** **10Periods**

A) Concept of agricultural regionalization
B) Crop concentration
C) Crop diversification
D) Crop combination
E) Agricultural Productivity

**Unit V: Agricultural Landuse Theory** **06 Periods**

A)Von-Thunen's Theory of agricultural location and its recent modifications.

B) Whittlesey's classification of agricultural region.

**Unit VI: Major issues in Indian Agriculture** **08 Periods**

A) Green Revolution,

B) White revolution,

C) Drought and food security,

D) Environmental degradation.

**Suggested Reading:**


1. Bayliss Smith, T.P.: The Ecology of Agricultural Systems. Cambridge University Press, London.1987.
2. Berry,B.J.L.et. Al: The Geography of Economic Systems. Prentice Hall, New York. 1976.
3. Brown, L.R.: The Changing world Food Prospects-The Nineties and Beyond. World Watch Institute, Washington D.C. 1990.
4. Dyson,T.:Population and Food –Global Trends and Future Prospects, Routledge, London, 1996.
5. Gregor,H.P.: Geography of Agriculture. Prentice Hall, New York,1970.
6. Grigg, D.B.: The Agricultural Systems of the World, Cambridge University Press, New York.1974.
7. Fulle S.J : Krushi Bhugol; VidhyaBharti Prakashan Latur, 2000.

**M.A. / M.Sc. FIRST YEAR**
**SEMESTER-III**
**PAPER-XI (OR)**
**Research Methodology in Geography**

**Marks: 100** **Credit: 04** **Period: 50**

**Salient Features**

1. The aim of this course is to introduce the students with the fundamentals of research methodology.

**Utility**

1. It helps students to arrange the knowledge in a scientific way.
2. To develop skills of report writing among to students

**Learning Objectives**

1. To provide in depth knowledge about geomorphology
2. To prepare students for various competitive examinations
3. To nurture scientific and research aptitude among the students

**Pre-requisites**

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

**Unit I: Introduction** **12 Periods**

A) Geography as a research discipline.

B) Nature and types of Geographical Research.

**Unit II: Research Approaches** **13 Periods**

A) Approaches of Research.

B) Research Problem.

C) Hypothesis.

**Unit III: Data Collection and Analysis** **13 Periods**

A) Types of data and data collection.

B) Problem of sampling.

C) Data Processing and analysis.

**Unit IV: Report Writing** **12 Periods**

A) Research Report-preparation of draft, contents, quotations, footnotes, References and bibliography.

B) Role of computers in research.

**Suggested Reading:**

1) Balloy Stephen V.- A mode for thesis of research papers, Houghton, Mifflin, Bosten, New York – 1970.

2) Bunge W. (1962) – Land studies, (Theoretical Geography)

3) Cohrley R.J.- Directions in Geography, Mettenen.

4) Durenberger.R.W.- Geographical Research & Writing New York, Thomas Y. Cromwelyd co 1971.

5) Gregory S (1973) – Statistical methods & the Geographer.

6) Horrey J.(1969) – Explanation in Geography Arnold,London.

7) R.Hart Shorne – Perspective on the Nature of Geography.

8) Haggett P.(1965) – Locational Analysis in Human Geography.

9) Hagget & Chorley – Models in Geography.

10) Haggett P.- Geography: A modern synthesis – New York – Harper and row.

**M.A. / M.Sc. FIRST YEAR**
**SEMESTER-III**
**PAPER-XII**
**Practical Geography**

**Marks: 100** **Credit: 04** **Period: 70**

**Salient Features**

1. The aim of this course is to introduce the students with use of quantitative techniques.

**Utility**

2. To help students to know the evolutionary stages of the earth. To geomorphologic imprints on the earth through structure, process and stage during different geological time scale.

**Learning Objectives**

1. To provide in depth knowledge about geomorphology
2. To prepare students for various competitive examinations
3. To nurture scientific and research approach among the students

**Pre-requisites**

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

**Unit I: Practicals in Population Geography** **25 Periods**

A) Density of Population.

i) Arithmetic density.

ii) Agriculture Density.

iii) Nutritional Density.

B) Measures of Fertility and Mortality.

i) Crude Birth rate.

ii) General Fertility rate.

iii) Standard Mortality rate.

iv) Child-Woman Ratio.

C) Population Growth and Projection.

i) Annual Growth of Population

ii) Decadal Growth of Population

iii) Arithmetic Projection of Population

**Unit II: Practicals in Settlement Geography** **25 Periods**

A)Rural Settlements

i) Dispersion index of rural settlements by

Bernhard's Demangaon and Debouverie's method.

ii) Nearest neighbour method.

B) Urban Settlements

i) Growth of Urban Population.

ii) Degree of urbanization.

iii) Functional classification of urban centers by Nelson.

iv) Centrality index by W. Christaller.

v) Rank size rule.

**Unit III: Practicals in Agricultural Geography** **20 Periods**

i) Crop Combination by Weaver and Thomas

ii) Crop Concentration by Bhatia's method

iii) Crop Diversification by Bhatia's method.

iv) Measurement of Agriculture Efficiency Kendall and Jasbirsingh.

**Note :** Interpretation of results should be given for all methods and prepare suitable charts to represent data.

**Suggested Readings:**


1) Kha, Z.A. : Text Book of Practical Geography Concept, New Delhi, 1998
2) Lawarence, G.R.P. : Cartography Methods, Methuen London, 1968
3) Mishra, R.P. & Ramesh A. : Fundaments of Cartography, McMillan Co. New Delhi 1986.
4) Monkhouse, F.J. & Wilkinson, H.R. : Maps and Diagrams, London, 1994.
5) Sarkar, A.K. : Practical Geography A Systematic Approach Orient Longman,Calcutta, 1997
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,RaghunandanSingh: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) Hagget & Chorley – Models in Geography.
15) Haggett P.- Geography: A modern synthesis – New York – Harper and row

## Semester-IV

| Paper No. | Title of the Paper | Periods per week | Total No. of Periods | Marks | | | Credits | Duration of Examination |
|---|---|---|---|---|---|---|---|---|
| | | | | CA | ESE | Total | | |
| XIII | Population Geography | 4 | 50 | 25 | 75 | 100 | 4 | 3 Hour |
| XIV | Social and Cultural Geography | 4 | 50 | 25 | 75 | 100 | 4 | 3 Hour |
| XV | Geography of Maharashtra **OR** History of Geographical Thought | 4 | 50 | 25 | 75 | 100 | 4 | 3 Hour |
| XVI | Geography Practical | 6 | 70 | 25 | 75 | 100 | 4 | 4 Hour |
| XVII | Project | | | 25 | 75 | 100 | 4 | |
| | **Total** | **18** | **220** | **125** | **375** | **500** | **20** | |

**M.A. / M.Sc. FIRST YEAR**
**SEMESTER-IV**
**PAPER-XIII**
**Population Geography**

**Marks: 100** **Credit: 04** **Period: 50**

**Salient Features**

1. The aim of this course is to introduce the students with the fundamentals of population geography.

**Utility**

1. To help students to understand causes of growth and distribution of population.
2. To understand population dynamics and resource utility

**Learning Objectives**

1. To provide in depth knowledge about population geography
2. To prepare students for various competitive examinations
3. To nurture scientific and research approach among the students

**Pre-requisites**

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

**Unit I: Introduction** **14 Periods**

A) Population Geography: Scope and Objectives;

B) Development of population Geography as a field of specialization

C) Population Geography and Demography

D) Sources of population data and their level of reliability.

**Unit II: Population Distribution and Theories** **14 Periods**

A) Population growth, distribution and density

B) Classical theories in population growth and distribution

i) Malthus Theory of Population Growth

ii) Population Transition Theory

C) India: population growth, distribution and density

D) Concepts of under population and over population.

**Unit III: Population Composition and Structure** **12 Periods**

**A)** Population composition: age and sex, rural and urban

B) Literacy, gender issues

C) Occupational structure

**Unit-IV: Population Dynamics** **10 Periods**

A) Measurements of fertility and mortality

B) Migration: national and international patterns.

**Suggested Readings:**


1. Bilasborrow, Richard E and Daniel Hogan: Population and Deforestation in theHumid Tropics. International Union for the Scientific Study of Population, Belgium 1999.
2. Bogue, D,J. : Principles in Demography, John Wiley, New York 1969.
3. Bose, Ashish et. At.: Population in India's Development (1947-2000); Vikas Publishing House, New Delhi 1974.
4. Census of India, India: A State Profile, 1991.
5. Chandna, R.C.:Geography of Population, Concept, Determinants and Patterns. Kalyani Publishers, New York 2000.
6. Clarke John I.: Population Geography, Pergamon Press. Oxford 1973.
7. Crook, Nigel : Principles of Population and Development. Pergmon Press New York 1997.
8. Daugherty, Helen Gin, Kenneth C.W. Kammeyir: An Introduction to Population (Second Edition), The Guilford Press, New York, London 1998.
9. Garnier, B.J. : Geography of Population Longman, London 1970.
10. Kochhar, Rajesh: The Vedic People, Their History and Geography Orient Longman Ltd., New Delhi 2000
11. Mamoria, C.B.: India's Population Problem, Kitab Mahal New Delhi 1981.
12. Mitra, Ashok :India's population: Aspects of Quality and Control Vol. I & II, Abhinar Publications, New Delhi 1978.
13. Premi, M.K. : India's population Heading Towards a Billion, B.R. Publishing Corporation, 1991.
14. Srinivasan, K. and M. Vlassoff. : Population Development Nexus in India; Challenges for the New Millennium. Tata McGraw – Hill, New Delhi 2001
15. Srinivasan, K. : Basic Demographic Techniques and Applications Sage Publications, New Delhi 1998
16. Sundaram K.V and Sudesh Nangia : Population Geography, Heritage, Publications. Delhi 1986.
17. UNDP: Human Development Report. Oxford University Press, Oxford 2000.
18. United Nations : Methods for Projections of Urban and Rural Populations. No,VIII, New York 1974.
19. Woods, R. : Population Analysis in Geography. Longman, London 1979.
20. Zelinsky Wilbur :A Prologue to Population Geography, Prentice Hall, 1966.

**M.A. / M.Sc. FIRST YEAR**
**SEMESTER-IV**
**PAPER-XIV**
**Social and Cultural Geography**

**Marks: 100** **Credit: 04** **Period: 50**

**Salient Features**

1. The aim of this course is to introduce the students with the fundamentals of social and cultural geography.

**Utility**

1. To help students to know the social and cultural fabrics.
2. To work for social justice and fair society.

**Learning Objectives**

1. To provide in depth knowledge about social and cultural geography
2. To prepare students for various competitive examinations
3. To nurture scientific and research approach among the students

**Pre-requisites**

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

**Unit I: Introduction** **10 Periods**

A) Definition, nature, scope and significance of social and cultural geography.

B) Society and culture as essential elements of geographical studies.

**Unit II: Social Aspects** **10 Periods**

**A)** Social differentiation and region formation

B) Role of ethnicity, caste, tribe, language and religion in social diversity and region formation in India.

C) North-South, Socio-Cultural diversity of India.

**Unit III: Cultural Aspects** **10 Periods**

A) Concept of culture, cultural areas and culture regions.

B) Cultural hearths and cultural diffusion.

C) World cultural realms.

**Unit IV: Theories of Race** **10 Periods**

A) Concept of race
B) Griffith Taylor's Theory of Race
C) Races of India.

**Unit V: Indicators of Social Development** **10 Periods**

**A**) Concept of social justice and fair society.

B) Social development and indicators of well being.

C) Levels of development and well being in India.

**Suggested Readings:**

1. Crang, Milke : Cultural Geography, Roultedge publication, London,1998.

2. Harmandorf, Tribes of india: The struggle for survival, oxford University Press, Delhi, 1989.

3. Hazra, (ed), Dimensions in Human Geography, Rawat publication,Jaipur, 1997.

4. Massey, et.al (ed), Human Geography Today, polity press, Combridge,1999.

5. Ahmad, Aijiazuddin, social Geography, Rawat Publication, New Delhi,1999.

6. Dubey S.C. : Indian Society, National Book Trust, New Delhi, 1991.

7. Rao, M.S.A. : Urban Sociology in India : Orient Longman, 1970.

**M.A. / M.Sc. FIRST YEAR**
**SEMESTER-IV**
**PAPER-XV**
**Geography of Maharashtra**

**Marks: 100** **Credit: 04** **Period: 50**

**Salient Features**

1. The aim of this course is to introduce the students with different natural and human aspects of Maharashtra.

**Utility**

1. To help students to know the state of Maharashtra and its various aspects.
2. To know the regional geography and economy of the state

**Learning Objectives**

1. To provide in depth knowledge about Maharashtra
2. To prepare students for various competitive examinations
3. To nurture scientific and research approach among the students

**Pre-requisites**

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

**Unit I: Location and Major Aspects** **10 Periods**

A) Maharashtra in the context of India.

B) Physical regions and major drainage systems of Maharashtra

C) Regional and seasonal variations of climate. Climatic Regions of Maharashtra.

**Unit II: Soil, Vegetation and Minerals** **10 Periods**

A) Soil types their characteristics and distribution.

B) Forest resources of Maharashtra.

C) Mineral and Power resources of Maharashtra

**Unit III: Agriculture and Major Crops** **10 Periods**

A) Agricultural Land use pattern of Maharashtra

B) Production and distribution of major crops

i) Jowar ii)Cotton iii)Sugarcane iv)Horticultural crops.

C) Sources of irrigation, problems and prospects.

**Unit IV: Industries and Industrial Regions** **10 Periods**

A) Industrial development in Maharashtra,

B) Problems of industrial sector in Maharashtra, Industrial regions.

C) Major industries of Maharashtra.

i) Sugar industry ii) Cotton textile industry

iii) Automobile industry d) Electronic industry

**Unit V: Population and Contemporary Issues** **10 Periods**

A) Population growth distribution and socio-economic characteristics.

B) Contemporary issues in Maharashtra: Droughts, social and ethnic tensions.

C) Regional disparity in social and economic development.

**Suggested Reading:**


1. Arunachalam B – Maharashtra – Bombay 1967.
2. Deshpande C.D.- Geography of Maharashtra –National Book Trust – India1971.
3. Das P.K. – The Monsoons – National Book Trust India 1968.
4. Govt. of India.- Census of India, Gazetteers of India.
5. Govt. of Maharashtra – District Gazetteers – Economic Review.
6. Spate O H K & Learmonth ATA – India and Pakistan, Methuen London 1969.
7. Sing R.L. India- A Regional Geography, National Geographical society India. Varanasi 1971.
8. Wadia D.N. Geology of India.- Macmillan 1957.
9. Dr. Keche P.J.- Maharashtracha Bhugol (Marathi)

**M.A. / M.Sc. FIRST YEAR**
**SEMESTER-IV**
**PAPER-XV (OR)**
**History of Geographical Thought**

**Marks: 100** **Credit: 04** **Period: 50**

**Salient Features**

1. The aim of this course is to introduce the students with the evolution and growth of geographical thoughts

**Utility**

3. To help students to understand the physical and man made changes on the earth through the spectrum of space and time.

**Learning Objectives**

4. To provide in depth knowledge about Maharashtra
5. To prepare students for various competitive examinations
6. To nurture scientific and research approach among the students

**Pre-requisites**

7. Books, Maps, Globe, Models
8. ICT, Field Visit

**Unit I: Introduction** **10 Periods**

A) The field of geography, its place in the classification of sciences

B) Geography as a social science and natural science.

C) Selected concepts in the philosophy of geography, distributions relationships.

D) Interactions: aerial differentiation and spatial organization.

**Unit II: Dichotomy in Geography** **10 Periods**

A) Systematic and regional geography

B) Physical and human geography

C) The myth and reality about dualisms

**Unit III: Scientific Explanation in Geography** **10 Periods**

A) Scientific explanations: routes to scientific explanations

Inductive and Deductive types of explanations.

B) Cognitive description: cause and effect

temporal: functional / ecological systems.

**Unit IV: Laws, Theories and Models** **10 Periods**

**A)** Laws, theories and models

**B)** The quantitative revolution

**C)** Responses to positivism, behaviorism, postmodernism.

**Unit V: Historical Development** **10 Periods**

A) Contributions of different scholars during ancient medieval and modern period.

B) Geography in the 20th century, conceptual and methodological developments and changing paradigms: status of Indian Geography

C) Future of geography: task ahead relating to development of geographic thought with special reference to changing views on man environment relationship.

**Suggested Readings:**


1. Ali S.M. : The Geography of Puranas, Peoples Publishing House, Delhi 1966
2. Amedeo, Douglas: An Introduction to Scientific Reasoning in Geography, John Wiley, U.S.A 1971
3. Dikshit, R.D.(ed): The Art & Science of Geography integrated Readings, Prentice Hall of India, New Delhi, 1994
4. Hartshorne, R.: Perspectives on Nature of Geography Rand McNally & Co., 1959
5. Husain M.: Evolution of Geographic Thought, Rawat Pub. Jaipur.1984
6. Johnston R.J.: The Future of Geography, Methuen, 1988
7. Minshull, R: The Changing Nature of Geography, Hutchinson University Library,. London 1970
8. Hartshorne, R.: Nature of Geography-(Translation in Marathi-Bhugolache Swarup-By M.S. Marathe- Maharashtra Rajya Sahitya Saunskruti Mandal, Mumbai).
9. Velapurkar B.J., Kankure K.B., Rathod H.B, and Ugade V.R., Bhougolik Vichardhara Abhijit publication Latur, 2005.

**M.A. / M.Sc. FIRST YEAR**
**SEMESTER-IV**
**PAPER-XVI**
**Practical Geography**

**Marks: 100** **Credit: 04** **Period: 70**

**Salient Features**

1. The aim of this course is to introduce the students with the skills of field survey and report writing

**Utility**

1. To help students to know the landforms through survey and their impact on human life

**Learning Objectives**

1. To conduct socio-economic survey of the households with the help of a specially prepared questionnaire
2. To introduce remote sensing, aerial photography and GIS a tool of spatial sciences.
3. To nurture scientific and research approach among the students

**Pre-requisites**

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

**Unit I: Field work** **30 Periods**

A) **Physical survey** OR B) **Socio-economic survey**

i) Trace the prominent features of the area to be surveyed. Identify salient landform features of the selected area on a topographical sheet.

ii) Identify the landforms on the surface, while in the field. Also note the agents of erosion, transportation and deposition associated with the landforms.

iii) Identify and classify the biodiversity in the area (flora and Fauna).

iv) Observe the relationship of various landforms, flora and fauna with land-use, settlement structure and life style of people.

v) Based on observation of the above characteristics, prepare a field survey report. The report need to be supplemented with maps, sketches, photographs etc.

**OR B) Socio-Economic Survey**

i) Procure a topographic map of 1:50,000 or 1:25,000 scale to study the settlements selected in its regional setting.

ii) Collect demographic, social & economic data of the village/town from Census Reports to study the temporal changes in the profile of such characteristics.

iii) Procure a cadastral map of the village/town for field mapping of the feature of land-use and land quality. Procure / prepare the settlements-site map through rapid survey to map the residential, commercial, recreational (parks, play-grounds,) educational, religious and other prominent features.

iv) Conduct a socio-economic survey of the households with a structured questionnaire. Supplement the information by personal observations and perceptions.

v) Based on results of the land – use and socio – economic enquiry of the households, prepare a critical field – survey report. Photographs and sketches, in addition to maps and diagrams may supplement the report.

**Unit – II Aerial Photography, Remote Sensing GIS** **20 Periods**

A) Aerial Photography
   i) Types of aerial photographs
   ii) Problems on scale of aerial photo, flying height and terrine height

B) Remote Sensing
   i) Fundamentals of remote sensing
   ii) Meaning and application of remote sensing

C) Geographical Information System (GIS)
   i) Concept and components of GIS
   ii) Application of GIS

**Unit III: Excursion/ Tour** **20 Periods**

A) Visit to the places of geographical interest and preparation of report (visit should be given to mountain / costal / desert / plateau / plain region)

**Note :**

1) Every batch of 12 student will select separate area /Village / town / part of city for the field work study and they will prepare separate report of their field work.
2) Total periods for each practical of 75 marks shall be 70 per semester.
3) Strength of students for each practical batch shall not be more than 12 (Twelve)
4) Submission of certified journal, Field work report and tour report is compulsory other wise students shall not be allowed to appear practical examination.

**Suggested Reading:**


1) Aronoff S. Geographic Information Systems: A Management Perspective, DDL Publication Ottawa 1989.

2) Burrough P.A. Principles of Geographic information systems for land resource Assessment Oxford University Press, New York,1986.

3) Fraser Taylor D.R. Geographic information Systems. Pergamon Press, Oxford, 1991

4) Maquire D.J.M.F. Goodchild and D.W.Rhind (eds). Geographic information Systems: Principles and Application. Taylor & Francis,Washington. 1991.

5) Mark S Monmonier, Computer – assisted Cartography. Prentice-Hall, Englewood Cliff, New Jersey 1982.

6) Peuquet D.J. and D.F.Marble, Introductory Reading in Geographic Information systems. Taylor & Francis, Washington 1990.

7) Star J and J. Estes. Geographic Information Systems. An Introduction Prentice-Hall, Englewood cliff, New Jersey, 1994.

8) Harold & Watess – Aerial stereo Photographs.

9) Thomsons Eagene – Interpretation of aerial photographs.

10) Lqurence H Lattman & Richard G Ray – Aerial Photographs in Field.


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