

# **Solapur University, Solapur**

## **Ph.D. Course Work Syllabus**

### **Common Paper for Faculty of Science**

**(w.e.f. June 2014)**

#### **Paper No.I: Research Methodology and ICT**

##### **1. Scientific Method:**

Block schematic of scientific approach, inductive and deductive logic schemes, imperial basis of laws, theory, hypothesis, deductive system, requirements of theory, dynamics of theory construction, rational explanation, scientific explanation, limits of scientific explanation.

##### **2. Formulation of Research Problem:**

Criteria of good research, types of research, significance, literature review, purpose, process of literature review, analysis of an article, search engine, formulation of research problems, accuracy of definition, objectives of research, research design, preparation of research article and thesis.

##### **3. Process of Research:**

Definations of problem, planning of experiments, data collection and record keeping, results and discussions, presentation of research outcome as a research paper or filing patent.

##### **4. Research Publications and Quality:**

Indices, publications, types, Impact factor, calculation of Impact Factor, uses, calculation of immediacy Index, calculation, SCOPUS, h – index, advantages, criticism ISSN, ISBN.

##### **5. ICT:**

Various search engines available on internet, normal vs advanced search, key – words, formulation of search statement, Listing various journals in relevant topic, Science abstracts, e – database.

Application of Computers in research, internet browsing, tool bar options, provisions of MS – word, MS – Excel, MS – PowerPoint, Origin.

**6. Fundamentals of Data Analysis and Statistical Methods:**

Types of data and various methods of data collection, Framing of questionnaires, various sampling methods.

Statistical techniques for analyzing data: Measures of central tendency, measures of dispersion, measures of asymmetry (Skewness), measure of relationship, simple regression analysis, testing of hypotheses, chi-square test, analysis of variance (ANOVA) and Covariance (ANCOVA).

**Reference Books:**

1. Research Methods - Ram Ahuja, Rawat Publications
2. Philosophy of Science – Mario Bunge, Transaction Publishers
3. Research Methodology - Methods and Techniques, C. R. Kothari New Age
4. Fundamentals of Statistics - Goon, Gupta and Das Gupta (Vol. I & Vol. II)

**SOLAPUR UNIVERSITY, SOLAPUR**

**Subject :- GEOGRAPHY**

**M.Phil/Ph.D. Course Work syllabus**

**Paper II :- Recent Trends in Geography**

**w.e.f.-June]2014-15**

**Objectives :-**

1. To familiarize the students with the scientific nature of Geography.
2. To acquaint the students with the historical development of Geography.
3. To familiarize the students with various approaches in the study of Geography.
4. To understand the importance of study of Geography in regional planning 5  
To familiarize the role of Geographers in the planning process.

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1. Trends of development of Geography - a) Ancient period, b) Medieval period c) Modern period and Geography as a scientific Discipline.
  2. Approaches in Geography - Homothetic, Idiographic, Behavioral system and Welfare.
  3. Region and Regionalization - Concept of Area, region and Space and Stages of regionalization.
  4. Explanation in Geography - Laws, theories and Models, Significance of Models in Geography. Importance of Measurement and scaling in Geography.
  5. Application of Geography in Planning of Health Care, Industrial Development, Tourism Development and Spatial inequality.
  6. Geogaphy and Human Resource Development and Management.

**Reference :-**

1. Cook, Johnson- Trends in Geography .
2. P. Gould and R. White - Mental Maps
3. Fielding G.J. Geography as a social Science.
4. Hurste - Geography of Economic behavior.
5. Haggerstand - Innovation Diffusion as a saatial process.
6. Hagget Peter and chorley, N.J. - Intergrated Models in Geography,
7. Roger Minshul - Models in Geography,
8. Johnoson R.J. Geography and Geography and Geograpers.
9. Hagget Peter- Geography a Modern synthesis
10. Dut and Sundaram - Indian economy

# SOLAPUR UNIVERSITY, SOLAPUR

## Subject :-EOGRAPHY

### Ph. D Course work syllabus

#### RECENT TRENDS IN POPULATION GEOGRAPHY

#### Paper No.-III (Optional Paper-I)

w.e.f.- June-2014-15

#### Objectives :-

Marks 100

1. To apprise the prospective researchers with latest advancements in the understandings of population issues in the context of regional synthesis and regional development in ever changing space-time continuum.
2. To provide and an understanding of spatial and structural dimensions of population and the emerging issues.
3. To familiarize the student with global and regional level problems and also equip them for comprehending the Indian situation.
4. To acquaint the student with causes and effects of change in population.

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#### 1. Population Geography :-

Approaches to the study of population geography with a special reference to recent trends, Relationship with other disciplines, Significance of the study.

#### 2. Demographic bases of Population :-

Crude birth rate Fertility ratio and reproduction of degree of replacement; crude death rate. Age and sex specific mortality rates, infant mortality rates and maternal mortality rate, survival rate; longevity of life; primary, secondary and tertiary sex ratio.

#### 3. Techniques of population analysis :-

Data source, Techniques of analysis in study of population geography.

#### 4. Population Theories :-

Malthusian theory of population growth, optimum population theory, demographic transition theories, stages, consequences, and space and time dimensions.

#### 5. Population of India :-

A detailed study of population geography of India with reference to growth of population, urbanization, migration, economic composition, age-sex

#### 6. Population problems and policies in India.

#### References :-

1. Asha Behende and Tara Kanitkar : Population studies, Himalaya Publishing House, Mumabi.
2. Barclay G.W. Techniques of Population Analysis, John Wiley and sons New York, 1958
3. Bose, A(Ed) Regional Planning and Development, Kalyani Publisher New Delhi 2008
4. Chandna R.C.Regional Planning and Development,Kalyani Publisher NewDelhi 2008
5. Chandna R.C.; A Geography of population 8th edition Kalyani Publisher New Delhi 2010
6. Chandna R.C. and Siddhu, M.S. An introduction to population Geography Kalyani Publisher New Delhi 1980

7. Clark J L : Population Geography, Pargamen Press Oxford, 1972 (2nd edition)
8. Demoko G.J etal; Population Geography-A reader, MCGrow-Hill,New Yourk 1970
9. Garneir J.B. Geography of Population St. Martin Press, New York, 1978.
10. Hornby, F. William and jones M An introduction to population Geography, Cambridge University Press Cambridge 1987
11. Jockson J.A. ; Migration Cambridge University press Cambridge 1909
12. Kayastha S.L : Geography of Population-Selected Essays,Rawat Publication 1998
13. Lawry J.H. World population and food supply, Edward Arnold, London 1976.
14. Rogers A ; Matrix Analysis and interregional population growth and distribution Berky 1968
15. Sawant S.B and Athawala A.S. : Population Geography, Mehta Publication, Pune
16. Sinha V.C. Dynamics of India's population growth, National publication house New Delhi 1979
17. Thomson, W.S. : population problems Tata McGraw-hill Publication Co. New Delhi 1965.
18. Trewartha S.J.: Geography of population world patterns, John Wiley, New York 1972

**SOLAPUR UNIVERSITY, SOLAPUR**

**Subject :- GEOGRAPHY**

**M. Phil/Ph.D. Course Work Syllabus**

**Recent Trends in Economic Geography**

**Paper No-III (Optional Paper-II)**

**w.e.f. June-2014**

**Objectives :-**

1. To integrate the various facts of economic development and to acquaint the students about this dynamic aspect of economic geography
2. Acquaint the students with various theories of location of economy activities.
3. Familiarize students with recent views in trading activity
4. To familiarize the students with various trade organizations.

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1. Economic Geography in Modern context, Classification of economic activities, Different approaches to the study of Economic Geography.
  2. Theories of location of economic activities - by Von Thunen, Alfred Weber, Christall Raily gravitational model, Behavioral location theory.
  3. Resource –Concept, classification, Resource utilization and environmental Degradation, Concept of Sustainable development.
  4. Economic development - Different Approaches to promote economic development and methods of measurement.
  5. Recent views in trading activity – Hole sale and Retail trades, moles, E-mail shopping, sky shopping etc. Location of suburban Business centers, multinuclear theory.
  6. Agriculture – Determinants of Agriculture  
Concept of agricultural region and bases of agriculture regionalization, types of regions.

## References :-

1. Hastshorn T.A. Economic Geography (Third Ed.) Prentice Hall of India Pvt. Ltd.
2. Berry conkling and ray economic Geography, Prentice hall, New Jersey (1988)
3. Red Cliff m : Development and Environmental crisis, Mathuen London (1987)
4. Hurst Elliot :- Geography of Economic Behaviour Unwil London (1986)
5. Arivill R : Man and Environment - Crisis and the stratehy of choice perguin,
6. Savindra Singh : Enviornmental Geography, Prayag Pustak Bhavan Allahabad.
7. Botkin D.B. and Killer E.A. : Environmental studens Morsill publishing Company.
8. Singh Jasbir and Dhillion S.S. : Agricultural geography, Tata Mc Grall hill Delhi.
9. Sysmons L : Agricultural geography 2nd edition, Bouldor, Colorado westiew press (1979)
10. Tarrant John K : agricultural Geography, David and Charles, Newton (1974)
11. Husain M : Agriculture Geography Inter - India Publication New Delhi.

**SOLAPUR UNIVERSITY, SOLAPUR**  
**Revised structure of Syllabus**  
**Subject: Geography**  
**Class: M .Phil / Pre-Ph. D**  
**Recent trends in Agricultural Geography**  
**Paper No-III (Optional paper-III)**  
**(w.e.f.June-2014-15)**

Marks : 100

**Objectives:**

1. To provide an understanding of Physical and non-physical determinants of agricultural patterns to the students.
2. To familiarise the students with agricultural systems, agricultural land use and agricultural productivity
- 3.To acquaint the student with concepts, techniques, methods of agricultural regionalization and modals in agricultural geography.
4. To familiarise the students with types of farming and problems of agricultural.

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1. Nature, scope of agricultural geography and approaches to agricultural geography.
  2. Origin and development of agriculture.
  3. Physical and non-physical determinants of agricultural patterns.
  4. Agricultural systems of the world.
  5. Concept of land use: General land use, Cropping pattern, land cover and land capability.
  6. Concept of Agricultural productivity and efficiency, methods and quantitative techniques to determine Agricultural productivity and efficiency
  7. Theories and models in agricultural geography.
  8. Concepts, techniques, and methods of agricultural regionalization.
  9. Data sources: primary data collection- sampling and field work, Secondary data sources
  10. Types of farming and problems of agriculture in India
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**References:**

1. Majid Husain: Sytematic Agricultural Geography, Rawat publication Jaipur (2002)
2. Majid Husain: Crop combinations in India (1982)
3. Singh Jasbir & Dhillion S.S.: Agricultural Geography, TataMcGrall hill publication New Dehli (1987)
4. Symons L.J.: Agricultural Geography, Bell and Hyman Limited London (1978)
5. Singh Jasbir: Agricultural Geograpy of Haryana, Vishal Publication (1976)
6. Davidson, Lonalds: Soils and Land use Planning, longman, London (1980)
7. Harris D.R.: The Ecology of Agricultural Systems and trends in Geography, Cooke R.V. and John J. (Ed) Lonfon. Paraman Press.(1969)
8. Klages, K. H. W.: Ecological Crop Geography, Macmillion, New York.
9. Tarrant, John K.: Agricultural Geography,David and Charles, Newton (1974)

**SOLAPUR UNIVERSITY, SOLAPUR**  
**Structure of Syllabus**  
**Subject: - Geography**  
**Ph.D. Course work syllabus**  
**Recent Trends in Tourism Geography**  
**Paper No-III (Opt.Paper-IV)**

**Objectives -**

**Marks 100**

1. To familiarise the students with aspects of tourism which have a bearing on subject matter of Geography.
  2. To orient the students to the logistics of tourism industry and the role of tourism in regional Development.
  3. To understand the impact of tourism on physical and human environments.
  4. To understand the importance of study of Tourism Geography in the planning process.
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1. Concept of Tourism – Meaning, nature and scope, Significance of Tourism Geography, Relation of Geography with tourism ,Emerging Concepts –Eco/ Rural/ Agro/ Leisure and Medical Tourism, Role of Tourism in changing economy of India.
2. Types of tourism- Factors of tourism development, Development of tourism with special reference to India and Maharashtra, Places of tourist attraction in different states in India, Constraints in tourism development, Impact of Tourism on Social, Economic, Cultural and natural Environment, Tourism Policies in India and Maharashtra.
3. Tourism Marketing and Planning – Core concepts of tourism marketing and types, market potential, need of tourism marketing and significance, Unique features of tourist demand and tourism product, tourism marketing mix, tourism marketing in developed countries, tourism marketing in India, marketing strategy for tourism, Role of transport and communication system for growth of tourism. Tourism Planning and Policy Perspectives, Planning at National, State and Local level.
4. Tourism promotion, promotional policies and programmes in India, Role of advertisement in tourism, developing promotional strategy, Tourism promotional plans of State Government with special reference to Maharashtra.
5. Research Design for Tourism Geography- Identification, Definition of the problem, Research Design, Tourist Satisfaction and Multiplier effect – Concepts and Applications.
6. Tourist organizations in the world, India, Maharashtra (WTO, PATA, ITDC and MTDC) and their role in development of Tourism.

## References –

Sr. No.	Name of Author	Title of The Book and Publisher
1.	M.A. Khan -	Tourism Marketing, Anmol publication, New Delhi.02, 2005.
2.	Jagir Singh Bajwa and Ravindar Kaur -	Tourism Management APH publication , New Delhi.
3.	Govind prasad, S. Kislaya K. Lal Gupta.	Eco-Tourism and Environment Management, and Discovery publishing House N. Delhi – 02
4.	P.B. Patil-	Tourism Development, Current Publication Agra – 10 (UP).
5.	Sanjeev Bhatnagar	Handbook of Research Methods in Tourism, ABD Publication of Jaipur (2012).
6.	Dr. K. Venugopal –	Modern Tourism Concepts, Ankit Publishing House Delhi (2012).
7.	S.M. Jha -	Tourism Marketing, Himalaya publishing House, Delhi (2006)
8.	Romila Chawla -	Tourism promotion, Sonali publishing, New Delhi – 2 (2006)
9.	Harish Bhatt and B.S. Badan-	Leisure and Tourism Crescent Publication, New Delhi. 2006
10.	A.K. Bhatia -	Tourism Management, Sterling publishers, New Delhi, 20, (2006).
11.	P.S. Gill -	Tourism- Economic and Social development, Anmol publication, New Delhi. – 02 (2005).
12.	A.K. Bhatia -	Tourism Development Principles and practices, Sterling publication, New Delhi.- 20 (1989).
13.	Bhatia, A.K. -	Tourism in India, History and Development. Sterling Publishers PVT. Ltd. New Delhi. 1978.
14.	Bhatia, A.K. -	International Tourism Fundamentals and practices, Sterling Publishers PVT. Ltd. Green Park Extension. New Delhi. 1991.
15.	S.B.Verma, S. K. Jiloka and P. Thryambakam-	Rural tourism and tribal development, Deep and Deep and Publication, New Delhi – 27, 2006
16.	Douglas Pearce -	Tourism Today – A Geographical Analysis, Longman, India. 1987.
17.	Gupta, V.K. -	Tourism in India. Gian Publishing House. Delhi. 1987.
18.	Robinson, H. -	A Geography of Tourism, Macdonald and Evans, Ltd London. 1976.
19.	Stephen L.& J. Smith -	Recreation Geography, Longman, London and New York 1939.
20.	Singh S.N	Geography of Tourism and Recreation. Inter-India Publications, New Delhi. 1986.
21.	Tejvir Singh & Others	Studies in Tourism, Wild life parks conservation. Metropolitan Book Company, New Delhi. 1982
22.	Websites	<a href="http://www.incredibleindia.org">www.incredibleindia.org</a>
		<a href="http://www.maharashtratourism.gov.in">www.maharashtratourism.gov.in</a>
		<a href="http://tourism.gov.in/aboutus/ITDC.aspx">http://tourism.gov.in/aboutus/ITDC.aspx</a>
		<a href="http://www.tourism.gov.in">www.tourism.gov.in</a>