

**SOLAPUR UNIVERSITY, SOLAPUR****New Structure of Syllabus****For****M.A./M.Sc. Part – II****Sub: - Geography****To be implemented from June, 2010****Semester – III**

<b>Sr. No.</b>	<b>Code No.</b>	<b>Course No</b>	<b>Name of the Paper</b>	<b>Marks</b>
1	PG – 2	PG – 201	Agricultural Geography	100
2	PG – 2	PG – 202	Settlement Geography	100
3	PG – 2	PG – 203	Biogeography	100
4	PG – 2	PG – 204	Cultural Geography	100
5	PG – 2	PG – 205	Practical V - Quantitative Techniques	100
6	PG – 2	PG – 206	Practical VI - Computer Mapping in Geography	100

**Semester – IV**

<b>Sr. No.</b>	<b>Code No.</b>	<b>Course No</b>	<b>Name of the Paper</b>	<b>Marks</b>
1	PG – 2	PG – 207	Regional Planning in India and Development	100
2	PG – 2	PG – 208	Development of Modern Geography	100
3	PG – 2	PG – 209 A	Political Geography OR	100
		PG – 209 B	Geography of Health	100
4	PG – 2	PG- 210 A	Geography of Tourism OR	100
		PG – 210 B	Geography of Manufacturing OR	100
		PG – 210 C	Geography of Marketing	100
5	PG – 2	PG - 211	Practical vii - Project Report with field Work	100
6	PG – 2	PG – 212	Practical viii - Remote Sensing & GIS	100

- Note: -
- 1) Student can choose any one course from course number 209 A & 209 B & any one course from course number 210A, 210B & 210C
  - 2) Students have to keep records of practical in the form of journal or reports.

# SOLAPUR UNIVERSITY SOLAPUR

Class – M.A./M.Sc. – II

Semester – III

Sub – Geography

Name of the Paper – Agricultural Geography

Code No. :- PG 2

Course No :- PG 201

Total Marks: - 100

Total Lectures: - 50

## Objective: -

- 1) To familiarize the students with concept origin and development of agriculture; and to examine the role of agricultural determinants. The course further aims to make familiarize the students with the application of various theories, models, Agricultural system, and productivity.
- 2) To reexamine green revolution in India, contemporary issues & agricultural problems in Solapur district.

Unit No.	Descriptions	No. of Lectures
I	Definition, Nature and Scope of Agricultural Geography Origin of Agriculture, Approches to the study of Agricultural Geography: Systematic and Regional.	8
II	Determinants of Agriculture A) Physical: topography and altitude, climate-temperature, rainfall, sunshine, moisture, drought, fog, frost, soils-Soil classification, soil erosion, water resources, B) Non-physical: irrigation, labour, capital, mechanization, equipments, transportation, marketing, government policies, size of holding & fragmentation.	14
III	Agricultural systems: Location, distribution, types and characteristics of Agriculture, Shifting cultivation Extensive, Intensive, plantation, mixed agriculture, dairy farming.	8
IV	Concepts and techniques of delimitation of agricultural regions: crop combination and diversification, measurements of agricultural productivity. Von Thunen's theory of agricultural land use, Jonasson's Model.	10
V	A) Green Revolution in India-Nature, performance problems and prospects ecological implications of the green revolution. B) Contemporary issues: food nutrition and Hunger, environmental degradation. C) Agricultural problems in Solapur district.	10

## Reference Books

Sr. No.	Name of Books	Name of Authors
1	The Changing World Food Prospects – The Nineties and Beyond World Watch Institute, Washington D. C. 1990	Brown C. R.
2	Rural Geography, Pergoman Press, Oxford	Clout H. R. (1972)
3	Rural Geography, Edward Arnold, London	Gilg Andvea (1984)
4	Geography of Agriculture; Themes in Research. Prentice-Hall Englewood cliff. London.	Gregor H. F. (1970)
5	Agricultural Geography. Oxford University Press, London	Ilbury B.W. (1983)
6	Agriculture and Environment Change John Wiley, London.	Mannlon A. M. (1995)
7	Studies in Agricultural Geography/Rajesh Publication New Delhi	Mohammed Ali. (1978)
8	Agriculture in the Third World Methuen, London.	Morgan W.B. (1978)
9	Agricultural Geography-Mathuen London.	Morgan W.B & Muton R. C. (1971)
10	Rural-Geography Harper and Row, London.	Pacione M. (1984)
11	Agricultural Geography, New Delhi	Singh Jasbir & Dhillon S. S.
12	Agricultural Geography, Newton Abbot	Tarrant J. R. (1974)
13	Poverty Agriculture & Economic Growth, Vikas Publication New Delhi	Bhatia B. M. (1977)
14	Socio-Economic Models in Geography, London.	Chorley & Haggett P. (1971)
15	Green Revolution London, Macmillan.	Former B. H. (1977)
16	The agricultural Systems of the World, Cambridge University Press	Grigg D. B. (1973)
17	Innovation Diffusion as a Spatial Process, University of Chicago Press.	Hageerstand T. (1968)
18	Systematic Agricultural Geography, Rawat Publication Jaipur (India)	Hussain Majid (1999)
19	Agricultural Productivity and Regional Imbalances a Study of Uttar Pradesh, Concept, New Delhi	Shafi M. (1983)
20	Agricultural Geography, London	Symon. (1968)
21	Perspective in Agricultural Geography, Six Volume	Noor Mohammed
22	Agricultural Productivity and Regional Imbalances, Concepts. Delhi	Shati M. (1978)
23	Green-Revolution How is it? Vishal Publication Kurukshetra.	Jasbir Singh (1973)

# SOLAPUR UNIVERSITY SOLAPUR

Class - M.A./M.Sc. - II

Semester - III

Sub – Geography

Name of the Paper – Settlement Geography

Code No. PG 2

Course No:- PG 202

Marks: - 100

Total Lectures: - 50

Objective: -

- 1) To familiarise the students with the conceptual, theoretical and empirical development in settlement studies in Geography.
- 2) To provide an idea to the students about the national issues of settlements.

Unit No.	Sub Units	No. of Lectures
I	Definitions, nature and scope, site and situation and Types and significance settlement	10
II	Evolution, Size and growth of human Settlement, Rural Settlement types & pattern, Trends and growth of human settlement.	10
III	Settlement Structure: Physical (characteristics of internal and external form) morphological structure of cities. Functional classification of towns and villages. Functional classification of Urban centres, Functional landscape, Functional structure of towns in India. Landuse Principles and theories of land use in Urban and Rural setting, House types and building material, Environmental, socio-economic & cultural factors influencing the dynamics of settlement structure.	10
IV	Theories of Christaller and August Losch and their applications. Measurement of centrality and hierarchy. Hierarchy of settlements in India-an empirical exercise, Concept of Primate city, city region and Rank – size rule	10
V	Issues, perspective and policies on population and Human settlements. Interface between human settlements and environment.	10

## Reference Books

Sr. No.	Name of Books
1	Ambrose, Peter, Concepts in Geography Vol.-I Settlement Pattern, Longman 197.
2	Census of India, House types and Settlement Patterns of Villages in India, GOI, New Delhi 1961.
3	Haggett, Peter, Andrew D. Cliff and Allen Frey (Editors), Locational Models Arnold Heinemann, 1979.
4	King, Leslie, J., Central Place Theory, Sage Publications, New Delhi, 1986.
5	Mayer, M. Harold and Clyde F. Kohn (Editors), Readings in Urban Geography, Central Book Depot, Allahabad, 1967.
6	Mitra, Ashok, Mukherjee S and Bose R: Indian Cities, Abhinav Publications, New Delhi, 1980.
7	Prakasa, Rao, V.L.S.: Urbanisation in India; Concept Publishing co.; New Delhi, 1992.
8	Ramachandran, R; Urbanisation and Urban Systems in India, Oxford University Press, New Delhi, 1992.
9	Singh R. L. and Kashi Nath Singh (Editors); Readings in Rural Settlements Geography, National Geographical Society of India. Varanasi, 1975.
10	Srinivasan, K. and M. Vlassoff, (editors) Population-Development Nexus in India: Challenges for the New Millennium, Tata Mc Graw-Hill Publishing Co.Ltd.New Delhi 2001.
11	Ucko, M.J., Ruth Tringham and G.W. Dimbleby (editors), Man, Settlement and Urbanism, Duckworth 1972.
12	United Nations Centre for Human Settlements (HABITAT), An Urbanising World, Global Report on Human Settlements, Oxford University Press for HABITAT 1996.
13	Hudson, F. S. (1977) Geography of Settlement Mcdonadls and Evas New York
14	Singh R. V. Geography of settlement, Rawat Pub. Jaipur
15	Mandel R B (1979): Introduction to Rural settlement

# SOLAPUR UNIVERSITY SOLAPUR

Class - M.A./M.Sc. - II

Semester - III

Sub - Geography

Name of the Paper - BIOGEOGRAPHY

Code No. PG 2

Course No:- PG 203

Total Marks: - 100

Total Lectures: - 50

## Objective: -

- 1) To introduce the student the concept of Biogeography and its interpretation.
- 2) To introduce the students with climate, physical environment and their interactions with the living organisms.
- 3) To introduce the students with the living and nonliving environments and their interactions with special reference to India.
- 4) To make aware about conservation of biodiversity and biotic resources.

## Course Contents

Unit No.	Sub Unit	No. of Lectures
I	Introduction & development of Biogeography: - i) Definition and meaning. ii) Nature and scope of Biogeography. iii) Development of Biogeography, Branches of Biogeography. iv) Ecosystems, habitat, associations of plants and animals v) Types of biomes	8
II	Plant Geography: - i) Elements of plant geography ii) Distribution and types of major forests. iii) Plant successions in newly formed landforms. iv) Examples from food chain	12
III	Zoogeography: - i) Relationship of zoogeography with the environment. ii) Migration and dispersal of animals. iii) Causes of migration and their effects.	12
IV	Paleorecords: - i) Paleorecords of plants and animals ii) Paleo records of climatic changes iii) Records of environmental changes in India.	6
V	Conservation of biotic resources: - i) National forest policy of India. ii) Conservation of biotic resources. iii) Legal protection to plants and animals	12

## Reference Books

Sr. No.	Name of Books	Name of Authors
1	Man & Environment in India through ages, Books & Books	Agarwal D. P. 1972
2	Earth an living planet, ELBS, London.	Bradshaw M. J. 1979
3	Biogeography an ecological and evolutionary approach	Cox C.D. & Moore P.D. 1993
4	Environment and Ecology of early man in northern India, R.B. Publication Corp.	Gaur R. 1987
5	Man & the earth, Prentice Hall, U.S.A.	Hoyt J. B. 1992
6	Fundamentals of Biogeography Rout ledge, USA	Huggett R. J. 1998
7	Introduction to Zoogeography M.c. Millan, London.	Illies J. 1974
8	Indian geosphere – biosphere, Her Anand Publication Delhi	Khoshoo T.N. & Sharma M. (edi) 1991
9	Encyclopedia of Environmental Science. Megrew Hill.	Lapedes D. N. (edi) 1974
10	Basic Biogeography 2 <sup>nd</sup> edition Longman, London	Pears N. 1985
11	Introduction to plant geography Longman, Green and Co. Ltd. London, New York.	Polunin N. 1960
12	Biogeography, English Language Book Society, London.	Robinson H. 1982
13	Biogeography: - Natural & Cultural Longman, London	Simmon I. G. 1994
14	Ecology, Oxford & IBH publication company pvt. Ltd. Mumabi	Odum E. P. 1975
15	Biogeography: - A study of plants & ecosphere. 3 <sup>rd</sup> edition. Oliver & Boyd, USA.	Tivyj. 1992

**SOLAPUR UNIVERSITY SOLAPUR**  
**Class - M.A./M.Sc. - II**  
**Semester - III**  
**Sub – Geography**  
**Name of the Paper – Cultural Geography**

**Code No. PG 2**

**Course No:- PG 204**

Total Marks: - 100

Total Lectures: - 50

**Objective: -**

- 1) To understand diversity of culture in the world as well as in India.
- 2) To comprehend the diffusion of various ethnic traits and religions.
- 3) To understand the relationship between culture and pattern of living and economic development.

**Course Contents**

<b>Unit No.</b>	<b>Sub Units</b>	<b>No. of Lectures</b>
I	Introduction, evolution, definition, nature, scope, element, component of culture, significance of cultural Geography.	10
II	Concept of culture, Bases of cultural diversity, Race, Religion and language, cultural diversity and regionalization in India.	7
III	Concept of cultural hearths and cultural diffusion, world cultural realms.	7
IV	Social and cultural development and well being indicators. Level of development, social structure and technology, pattern of rural and urban society. Social and cultural processes in the developing countries, spatial patterns in India.	12
V	Geography and ethnic groups and tribal groups. Religion and its diffusion, diffusion of ethnic traits in world.	6
VI	Economic activities and cultural adaptation, agncultural, industrial and modern technological changes. Their geographic implications.	8

## Reference Books

Sr. No.	Name of Books	Name of Authors
1	Social Geography, Rawat Publication Jaipur	Ahmad Aijarudin (1999)
2	A Geography of Mankind, Mc-grew-K Book Co. New York	Broek, Jan O. M. & Webb. John W. (1973)
3	An introduction to cultural Geography, Unwin Hyman London.	Jackson Peter (1989)
4	Cultural geography, - People places and Environment west Publishing Co. New york.	Jackon, Richard H and Loyd E. Hudman (1990)
5	An Introduction to Social Geography, - Oxford University Press Oxford.	Jones, Emrys and Eyles John (1997)
6	Human Geography – Rawat Publication Jaipur.	Majid Hussain (1994)
7	India culture Society and economy Inter India Publication, New Delhi	Mukherjee A. B.K. Arijazuddin A (1985)
8	A place in the world cultures and Globalization, Oxford University, New York	Massey D. K. Jess P. (1995)
9	Cultural Geography – Rout, leldge, Publication, London.	Crang Mike (1998)

**SOLAPUR UNIVERSITY SOLAPUR**

**Class - M.A./M.Sc. - II**

**Semester - III**

**Sub – Geography (Practical Paper: - V)**

**Name of the Paper – Quantitative Techniques**

**Code No. PG 2**

**Course No:- PG 205**

Total Marks: - 100

Total Lectures: - 90

<b>Unit No.</b>	<b>Name of the Units</b>	<b>Description</b>
I	Quantitative Techniques in Population Geography	1) Measurement of birth rates, age-specific, crude
		2) Measurement of death rates
		3) Population projection by semi Average method.
		4) Population projection by Least Squares method.
II	Quantitative Techniques in Agricultural Geography	1) Measurement of agricultural productivity-Kendall,s mehod, Sapre and Deshpande’s method.
		2) Crop Combination method of Weaver and Doi
		3) Crop Concentration-Bhatia’s method.
		4) Crop Diversification-Bhatia’s method.
III	Quantitative Techniques in Settlement Geography	1) Nelson’s method of functional classification of towns.
		2) Nearest Neighbour Analysis.
IV	Quantitative Techniques Applied in Marketing Geography	Basic Gravity Model.
		Law of Retail Gravitation and Break Point Theory.
V	Journal	

## Reference Books

Sr. No.	Name of Books
1	Gregary, S. Statistical Methods and the Geographers. Longman Group Ltd.
2	Hammond. R and Mc Culloch,-Quantitative Techniques in Geography: an introduction, Clarendon Press, Oxford.
3	Woodcock R. G. & Bailey M. J. – Quantitative Geography, Mac Donald & Erans Ltd. London.
4	Elhance D. N. – Fundamentals of Statistics, Kitab Mahal, Allahbad.
5	Mahmood Aslam Statistical Methods in Geography.
6	Cole and king-Quantitative Geography.
7	Saxena. H. M. Geography of Marketing; Concepts and methods, New Delhi
8	Singh Jasbir-An Agricultural Geography, Vishal Publication, Kurukshetra.
9	Clarke. J. I. – Population Geography, Pergamoh Press, London.
10	Chandana and siddhu – Population Geography

**SOLAPUR UNIVERSITY SOLAPUR**

**Class - M.A./M.Sc. - II**

**Semester - III**

**Sub – Geography**

**Practical No. VI**

**Name of the Paper - Computer mapping in Geography**

**Code No. PG 2**

**Course No:- PG 206**

Total Marks: - 100

Total Lectures: - 90

**Objectives: -**

- 1) To understand the terms, concepts, involved in computer.
- 2) To study how to use computer in Geographic studies.
- 3) How to operate computer.

<b>Unit No.</b>	<b>Sub Units</b>
I	Introduction to computer, Definition, characteristics, operating system, Introduction to Dos, Window, excel. Application of computer in Geography
II	Computer and Geographic data- scale of measurement, Data Structure, Location of data and data structure.
III	Computer in Cartography – Simple exercise for representation of Geographical data, Histogram, Bar graph, line graph, multiple line graph, scatter diagram, pie chart (diagram)
IV	Computation of central tendency value:, Quartile standard deviation 'r' value and trend line with help of computer
V	Importance of information technology in Geographical studies - advantages of Internet. Browsing and surfing the geographical sites Web page. Down loading files.
VI	Journal

## Reference Books

<b>Sr. No.</b>	<b>Name of Books</b>	<b>Name of Authors</b>
1	Computer Programming for Geographer, Longman London	D. J. unwin & J. A. Dawson (1987)
2	Computer in Geography, Longman Scientific and Technical, London.	David J. Magthre (1989)
3	Computer Application in Gegraphy, Jahn Wiley & Sons, New York U. S. A.	Paul M. Mather (1993)
4	Quantitative Geography	Cole and King (1968)
5	Quantitative Technique in Geography, Clarendon press – Oxford	Himmond B. (1974)
6	Computer System and Application,	Rustan Shorff
7	Computer System a Application, BPB publication, new Delhi	Sinha & Sinha (2005)

# SOLAPUR UNIVERSITY SOLAPUR

Class - M.A./M.Sc. - II

Semester - IV

Sub – Geography

Name of the Paper – Regional Planning and Development in India

Code No. PG 2

Course No:- PG 207

Total Marks: - 100

Total Lectures: - 50

Objectives: -

- 1) To understand and evaluate the concept of region in geography.
- 2) To understand the role and relevance of region in regional planning.
- 3) To identify the causes of regional differences in development, perspectives & policy imperatives.
- 4) To understand the problems of regional development.

## Concept of Region

Unit No.	Sub Units	No. of Lectures
I	Concept of Region: - Types of regions in the context of planning methods of regional delineation, hierarchy of regions, types of planning, approaches to regional planning	8
II	Physical regions, resources regions, regional divisions according to variation in the levels of socio-economic development, special purpose regions – metropolitan regions, problematic regions - draughts and floods.	8
III	Concept of growth and development, indicators of development, resources of regional development, regional imbalances in India – Agricultural and industrial	10
IV	Theoretical framework for regional planning : - 1) Central place theory 2) Growth pole Theory 3) Growth foci Approach	7
V	Concept of multi level planning, decentralized planning, peoples participation in planning process, Panchayat Raj System, Role and relationship of panchayati Raj institutions (Village panchayat, panchayat samiti and Jilla Parishad) and administrative structure (Village, Taluka and District) Regional development in India – Problems and prospects.	10
VI	Regional development in Maharashtra: - Macro, Meso, Micro level, problems and prospects.	7

## Reference Books

Sr. No.	Name of Books
1	Bhat, L. S. Regional Planning in India, Statistical Publishing Society, Calcutta, 1973.
2	Bhat, L.S. et.al. Micro-Level Planning: A Case Study of Karnal Area, Haryana, K.B. Publications, New Delhi. 1976
3	Chorley, R.J. and Hagget, P; Models in Geography, Methuen, London, 1967.
4	Christaller, W: Central Places in Southern Germany, Translated by C.W.Baskin, Prentice Hall, Englewood Cliffs, New Jersey, 1966.
5	Friedmann, J. and Alonso, W: Regional Development Policy-A Case Study of Venezuela, M.I.T. Press Cambridge, Mass, 1968
6	Friedmann, J. and Alonso, W: Regional Development and Planning – A Reader M.I.T. Press, Cambridge, Mass, 1967
7	Glikson, Arthur, Regional Planning and Development, Netherlands Universities foundation for International Co-operation, London, 1955
8	Gosal, G.S. and Krishan, G: Regional Disparities in Levels of Socio-economic Development in Punjab, Vishal Publication, Kurukshetra, 1984.
9	Government of India, Planning Commission: Third Five Year Plan, Chapter on Regional Imbalances in Development, New Delhi 1961.
10	Indian Council of Social Science Research: Survey of Research in Geography, Popular Prakashan, Bombay, 1972
11	Johnson, E.A.J. The Organisation of Space in Development Countries Harvard University Press, Cambridge 1970
12	Kuklinski, A.R. (ed.) Growth Poles and Growth Centres in Regional Planning Mouton, The Hague, 1972
13	Kundu. A. and Raza, Moonis: Indian Economy – The Regional Dimension Spectrum Publishers, New Delhi 1982
14	Regional Planning concepts Techniques, Polies and case studies concept publishing crop New Delhi 1992
15	Losch, A: The Economic of Location, Univesity Press, Yale, New Haven 1954
16	Misra, R.P. Regional Planning: Concepts, Techniques and Policies, Univesity of Mysore 1969
17	Misra, R. P. and Other (editors) Regional Development Planning in India – A Strategy. Institute of Development Studies Mysore, 1974.
18	Mitra, A. Levels of Regional Development Census of India, Vol. I Part I A and II New Delhi 1965
19	Myrdal, G: Economic Theory and Under Development Regions Gerald Dockworth, London 1957
20	Nangia Sudesh, Delhi Metropolitan Regional Rajesh Publication Delhi 1976
21	Richardson, H.W. Regional Economic Weidenfeld and Nicolson, London, 1969
22	Sundaram, K.V. Geography and Planning, Essays in Honour of V.L.S. Prakasa Rao, Concept Publishing Co. New Delhi 1985.

23	Tarlok Singh India's Development Experience, MC Millan New Delhi, India 1974.
24	Raza Moonis (editor) Regional Development Heritage Publishers Delhi 1988.
25	Mishra, R. P. et. al. Multi-Level Planning Heritage Publishers, Delhi 1980.

**Pedagogy: -**

- The Students should be made to sessional assignments based on divers data to formula regions at the local, Regional levels, and identify the regional differentiations.
- They should be made conversant with the trends in the development of the regional concepts. Using space in the multi disciplinary approach to regional Development.

# SOLAPUR UNIVERSITY SOLAPUR

Class - M.A./M.Sc. - II

Semester - IV

Sub – Geography

Name of the Paper – Development of Modern Geography

Code No. PG 2

Course No:- PG 208

Total Marks: - 100

Total Lectures: - 50

**Objective: -**

- 1) To introduce the students to the philosophical and methodological foundations of the subject & its place in the world of knowledge.
- 2) To familiarize student with the major land marks in development of geographic thought at different periods of time.

## Concept of Region

Unit No.	Sub Units	No. of Lectures
I	i) The field of Geography: Its place in the classification of sciences, ii) Development of Geography through ages, the ancient and medieval period iii) Age of exploration and impact of discoveries on the development of geography.	10
II	Rise of Dualisms in Geography, dualism the myth & realism, dualism between Regional & Systematic geography, dualism between Physical and Human geography.	8
III	Development of concepts: Environmental – determinism, possibilism – Measurement and explanation in Geography: Laws, theories and models in geography – quantitative revaluation.	10
IV	Founders of Modern Geography Carl Ritter Alexander Von. Humboldt Vidal-de-la-Blache H. J. Mackinder Richard Hartshorne	12
V	A) Approaches in Geography: - i) Positivism ii) Humanism iii) Radicalism iv) Behaviouralism B) Paradigms & Philosophy in Geography	10

## Reference Books

Sr. No.	Name of Books
1	Abler, Ronald; Adams, Johan, S. Gould, Pater, Spatial Organization; The Geographer's View of the World, Prentice Hall, N. J. 1971.
2	Ali, S.M. The Geography of Puranas, Peoples Publishing House, Delhi 1966
3	Amedeo, Douglas: An Introduction to Scientific Reasoning in Geography, John Wiley, U.S.A. 1971.
4	Dikshit, R.D. (ed) The Art & Science of Geography-Integrated Readings, Prentice Hall of India, New Delhi, 1994
5	Hartshorne, R.: Perspectives on Nature of Geography, Rand MC Nally & Co. 1959.
6	Husain, M: Evolution of Geographic Thought Rawat Pub. Jaipur, 1984
7	Johnston, R.J. Philosophy and Human Geography Edward Arnold London, 1983
8	Johnston, R.J. The Future of Geography Methoun, London, 1988
9	Minshull, R. The Changing Nature of Geography, Hutchinson University Library, London, 1970.

### Pedagogy: -

- Students of geography may be encouraged to interact with their counterparts from other disciplines and discuss the nature of their subject.
- The students may be encouraged to collect information on any theme amenable to geographical interpretation.

**SOLAPUR UNIVERSITY SOLAPUR**  
**Class - M.A./M.Sc. - II**  
**Semester - IV**  
**Sub – Geography**  
**Name of the Paper - Political Geography**

**Code No. PG 2**

**Course No:- PG 209A**

Total Marks: - 100

Total Lectures: - 50

**Objectives: -**

- 1) To understand the basic concepts in political Geography.
- 2) To enhance awareness of Multi-dimensional nature of geo-political space.
- 3) To make acquaint the students with the nature of Geographical factors influencing the geo-political situations in India & world.

<b>Unit No.</b>	<b>Sub Units</b>	<b>No. of Lectures</b>
I	Nature, Scope, Subject matter in political geography, approaches to study political geography.	6
II	Geographic elements and the state: physical, human and economic elements political geography and environment interface	8
III	Themes in Political Geography: state, nation, nation-state and nation building, Frontiers and Boundaries, capital- Classification & functions, world power perspectives on one core periphery.	10
IV	Global Strategic views – The views of Mackinder, Spykman and Mahan and relevance to contemporary world situation.	6
V	Geopolitical significance of Indian ocean: political Geography of SAARC region, south-east asia, west asia.	10
VI	Political geography of contemporary-India with special reference to: the changing Political map of India, unity-diversity; centripetal and centrifugal forces, Stability and instability, Inter-State issues (like water disputes, reparion claims) and conflicts resolutions, insurgency in border state, emergence of new states, federal India-unity in diversity.	10

## Reference Books

Sr. No.	Name of Books
1	Bhagwati, J. N. (Ed) New International Economic Order – The North –South Debate. M.I.T. Press, London, 1976.
2	Dikshit, R.D. Political Geography: A Contemporary Perspective, Tata McGraw-Hill Publishing Company. New Delhi, 1982
3	Glassner M.I. Political Geography, John Wiley, New York, 1993.
4	Panikkar, K.M. Geographical factors in Indian History. Bharatiya Vidya Bhavan, Bombay, 1956
5	Pounds N.T. Political Geography Mc Graw Hill, New York, 1972
6	Prescott, J.R.V. Political Geography Methouen & Co. London, 1972
7	Schwartzberg, J.E. A Historical Atlas of South Asia, University of Chicago Press, U.S.A. 1993.
8	Short J. R. An Introduction to Political Geography, Routledge and Kegan Paul, London, 1982
9	Taylor P. J. (Ed), Political Geography of the 20 <sup>th</sup> Century – A Global Analysis, New York 1993.
10	Taylor, Peter: Political Geography, Longman, London, 1985.
11	William C.H. (Ed), Political Geography of the New World Order Halsted Ben, New York, 1993.

### Pedagogy: -

- Fieldwork to understand the political/administrative boundary configurations and people's problems and perceptions.
- Consult political maps (Large and small scale)
- Atlases and archival records.
- Collect relevant newspapers items for group discussion.
- Prepare pin-up board for display of important events of geopolitical nature.

# SOLAPUR UNIVERSITY SOLAPUR

Class - M.A./M.Sc. - II

Semester - IV

Sub – Geography

Name of the Paper - Geography of Health

Code No. PG 2

Course No:- PG 209B

Total Marks: - 100

Total Lectures: - 50

**Objective: - The objectives of this course are.**

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

### Course contents

Unit No.	Sub Units	No. of Lectures
I	Introduction to geography of health.: - i) Nature, Scope and significance of geography of health ii) Development of this area of specialization iii) Its distinction from medical science.	10
II	Geographical factors affecting human health and diseases arising from them. i) Physical factors – relief, climate, soils and vegetation ii) Social factors – Population density, literacy, social customs and poverty iii) Economic factors – food and nutrition iv) Environmental factors – Urbanization and pollution.	8
III	Classification of diseases: - i) Communicable and non-communicable ii) Occupational and deficiency diseases. iii) WHO's classification of diseases. iv) Pattern of World distribution of major diseases	10
IV	Ecology, etiology and transmission of major diseases: - i) Cholera, malaria, tuber culosis, hepatits, leprosy, cancer, & AIDS ii) Diffusion of diseases and causes. iii) Problems of mal-nutrition in India.	10
V	Health care planning i) WHO (International level) ii) Government and NGO in India (National level) * Health care planning and policies, availability, accessibility and utilization of health care services, primary health care, inequalities in health care services in India, national disease eradication and Health for All Programmes.	12

## Reference Books

Sr. No.	Name of Books
1	Banerjee B. and Hazra J: Geo-Ecology of Cholera in West Bengal, University of Calcutta, 1980
2	Hazra J. (ed): Health care planning in Developing countries, university of Calcutta, 1997
3	Learmonth A. T. A: Patterns of Disease and hunger, A study in medical Geography; David & Charles Victoria, 1978.
4	May J. M.: Studies in Disease Ecology, Hafner Publication, New York, 1961.
5	May J. M.: Ecology of Human Disease, M. D. Publication, New York, 1959.
6	May J. M.: The World Atlas of Diseases, Nal Book Trust, New Delhi, 1970.
7	MC Glashan, N. D.: Medical Geography; Methuen, London, 1972.
8	Pyle G: Applied medical Geography, Winston Halsted Press, Silver springs Md, U.S.A., 1979.
9	Rais, A and Learmonth, A.T.A. Geographical Aspects of Health and Diseases in India.
10	Cliff. A and Haggett, P.: Atlas of Disease Distribution Basil Blackwell, Oxford, 1989.
11	Digby, A and stewart, L. (Eds) Gender, Health and welfare, Routledge, New York, 1996.
12	Narayan K. V.: Health and Development. Inter Sectoral Linkages in India. Rawat Pub. Jaipur, 1997.
13	Phillips, D. R: Health and Health care in the third world, Longman, London, 1990.
14	Shanon, G.M. et. al: The Geography of AIDS, Guilford press, New York, 1987.
15	Smit, D: Human Geography – A welfare Approach, Arnold Heinemann, London 1997.
16	Sochin, A.A: Fundamentals of medical Geography Dept. of Army Tran, M.J. 5264, Washington D.C., 1968.
17	Stamp L.D.: The Geography of Life and Death, Cornell University, Iteaca, 1964

# SOLAPUR UNIVERSITY SOLAPUR

Class - M.A./M.Sc. - II

Semester - IV

Sub – Geography

Name of the Paper – Geography of Tourism

Code No. PG 2

Course No:- PG 210A

Total Marks: - 100

Total Lectures: - 50

**Objective: - The objectives of this course are.**

- 1) To familiarize 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

### Course contents

Unit No.	Sub Units	No. of Lectures
I	<b>Basics of Tourism;</b> Definition of tourism; Factors influencing tourism: types of tourism-cultural coastal, elements of tourism as an industry.	10
II	<b>Indian Tourism:</b> Statewise regional dimensions of tourist attractions; evolution of tourism, promotion of tourism. Resources & growth of tourism, tourism policies in India.	10
III	<b>Infrastructure and support system:</b> accommodation and supplementary accommodation; other facilities and amenities; Tourism circuits-short and longer detraction – Agencies and intermediacies – Indian hotel industry.	10
IV	<b>Impacts of tourism:</b> Physical, economic and social and perceptual; positive and negative impacts; Environmental laws and tourism; globalization and tourism. Role of foreign capital and impact of globalization on tourism.	10
V	<b>Tourism in the State of Maharashtra:</b> Geographical, historical and cultural factors influencing tourism. Types of tourism Impact of tourism on environment; physical and cultural. Any one Project report on relevant topic such as impact of tourism on hill station, lakes, historical, cultural centres & beaches in the State of Maharashtra.	10

Note: 1) 20% of marks are for unit 6 which is compulsory and other units will carry 16% marks each.

2) Periods for units 1-10, Units 2-8, Units 3-6, Unit 4-8, Unit 5-8, and unit 6-10

## Reference Books

Sr. No.	Name of Book
1	Bhatia A.K.: <u>Tourism Development Principles and Practices</u> ; Sterling Publishers, New Delhi 1996.
2	Bhatiya, A.K. <u>International Tourism – Fundamentals and Practices</u> ; Sterling New Delhi (1991).
3	Chandra R.H.: <u>Hill Tourism Planning and Development</u> Kanishka publishers; New Delhi – 1998.
4	Hunter C and Green H: <u>Tourism and the Environment: A Sustainable Relationship</u> Routledge; London, 1995.
5	Inskeep E: <u>Tourism Planning: An Integrated and Sustainable Development Approach</u> , Van Nostrand and Reinhold, New York, 1991.
6	Kaul R.K. <u>Dynamics of Tourism &amp; Recreation Inter-India</u> New Delhi 1985.
7	Kaul J: <u>Himalayan Pilgrimages &amp; New Tourism</u> ; Himalayan Books, New Delhi 1985.
8	Lea. J.: <u>Tourism and Development in the Third World</u> , Routledge, London 1988.
9	Milton D: <u>Geography of World Tourism</u> Prentice Hall, New York 1993.
10	Pearce D.G.: <u>Tourism To-day A Geographical Analysis</u> , Harlow, Longman, 1987.
11	Robinson, H. A.: <u>Geography of Tourism</u> , Macdonald and Evans, London, 1996.
12	Sharma J. K. (ed): <u>Tourism Planning and Development</u> , – A New Perspective Kanishka Publishers, New Delhi 2000.
13	Shaw G. and Williams A.M.: <u>Critical issues in Tourism – A Geographical Perspective.</u> , Oxford: Balckwell, 1994.
14	Sinha P.C. (ed): <u>Tourism Impact Assessment</u> , Anmol Publishers, New Delhi, 1998.
15	Theobald (ed): <u>Global Tourism The Next decade</u> , Oxford, Butterworth, Heinemann, Oxford, 1994.
16	Voase R.: <u>Tourism: The Human Perspective</u> , Hodder & Stoughton, London, 1995.
17	Williams A.M. and shaw G. (eds): <u>Tourism and Economic Development</u> , – Western European Experiences, Belhaven, London.
18	Williams Stephen: <u>Tourism Geograhly</u> Routledge, contemporary Human Geography, London, 1998.

### Pedagogy: -

- Students may be encouraged to gain first hand knowledge from filed excursions. An assignment may be given to the students in one of the followings.
  - a) Visit to a tourist centre and talk to some tourists and to write a report.
  - b) Collect the tourist pamphlets and maps from tourism-promotion agencies and to make a review on contents.
  - c) Visit to a tourist place and to list and map the work generation and problems and to suggest remedial measures.
  - d) Study tourism development policy and plans of government of India and the states with which the students is familiar and provide a geographers view point.
  - e) Visit to Ajanta/Ellora/Pandharpur/Tuljapur/beach etc.

# SOLAPUR UNIVERSITY SOLAPUR

Class - M.A./M.Sc. - II

Semester - IV

Sub - Geography

Name of the Paper - Geography of Manufacturing

Code No. PG 2

Course No:- PG 210B

Total Marks: - 100

Total Lectures: - 50

**Objective: - The objectives of this course are.**

- 1) To introduce the nature, development and significance of manufacturing and its links with the world economy.
- 2) To understand the location of major manufacturing activities with the support of various industrial location theories and models.
- 3) To discuss problems and impact of manufacturing industries with respect to relocation environmental pollution and occupational health and industrial hazard.

## Course contents

Unit No.	Description	No. of Lectures
I	Meaning, Nature and Scope and recent developments factors of localization of manufacturing industries; Inter-relationship between the manufacturing and economic development.	8
II	Theories and models of industrial location: - A Weber. A Losch; Modern refinements to least cost-theory, critical review and application of industrial location theories.	10
III	Distribution and spatial pattern of manufacturing industries: Iron & steel textiles, chemicals, automobiles, hardware & software-industries, with special references to U.S.A., Japan, U.K. & India, methods of delineating manufacturing regions, major manufacturing regions of the world.	12
IV	Methods of measuring the spatial distribution of manufacturing industries: Standard Industrial classification, Neo-classical theory, Behavioral locational theory.	10
V	Environmental degradation caused by manufacturing industries, industrial hazards, occupation and health; Impact of manufacturing industries on economic development in India. Effects of privatization, Liberalization and Globalisation on Indian Industries:, Changing Industrial Policy in India.	10

## Reference Books

Sr. No.	Name of Books
1	Alexander, J.W.: <u>Economic Geography</u> , Prentice Hall, Englewood Cliffs, 1988.
2	Alexanderson, C: <u>Geography of Manufacturing</u> , Prentice Hall, Bombay, 1967.
3	Hoover, E,M.- <u>The location and space economy</u> , Mc Graw Hill, New York 1948.
4	Isard, W.: <u>Methods of Regional Analysis</u> , The Technology Press of M.I.T. & John Wiley & Sons, New York 1956.
5	Miller, E. A., <u>Geography of Manufacturing</u> , Prentice Hall, Englewood Cliffs, New Jersey. 1962.
6	Weber, Alfred: <u>Theory of Location of Industries</u> , Chicago University Press, Chicago, 1957.

### Pedagogy: -

- The teachers should take the students to neighboring industrial area and appraise them the functioning of various industries, difficulties and environmental problems of industries.

# SOLAPUR UNIVERSITY SOLAPUR

Class - M.A./M.Sc. - II

Semester - IV

Sub – Geography

Name of the Paper – Geography of Marketing

Code No. PG 2

Course No:- PG 210C

Total Marks: - 100

Total Lectures: - 50

**Objective: - The objectives of this course are.**

- 1) To familiarize the students with the aspects of marketing which have a bearing on the subject matter of Geography.
- 2) To acquaint the students with Nature, Scope and Significance of Marketing Geography with locational aspects.
- 3) To understand the morphology of Markets with its concepts, components and shopping centres within and between regions.
- 4) To understand the market channels with different trades and services.
- 5) To understand the theoretical frame work of central places.
- 6) To understand the role of market centers in Regional Planning and development.

## Course contents

Unit No.	Description	No. of Lectures
I	Meaning Nature, Scope, and significance of geography of marketing, Concepts of market- market centre, marketing, market area and market cycle,	8
II	a) Classification of Markets:, Based on periodicity, census, status, hierarchy & location.	4
	b) Locational Analysis:, Location in relation to transportation, Agricultural land use, surrounding villages.	6
III	Market Morphology:, Concepts, components, Types of shopping centers,	6
IV	Marketing Channels:, Retailing, whole – selling and services	8
V	Theoretical frame work:, Central Place theory of Christaller and August Losch, general attraction theory and Reilly – Break point theory	10
VI	Role of Market Centres:, in regional planning and development	8

## Reference Books

Sr. No.	Name of Books	Name of Authors
1	Geography of Marketing, Longman, London	Garnier B.J. & Debber A.(1977)
2	Marketing Geography, Rawat Publication, Jaipur.	Saxena H. M. (1990)
3	<u>Geography of Markets centres and Retail distribution</u> , Prentice Hall, Englewood N.J.	Berry B.J.L. (1964)
4	<u>Periodic Markets, Daily Markets and fairs A</u> <u>bibliographic centre for development studies, swan sec.</u>	Bronmtey. R. J. (1975)
5	<u>Marketing Geography</u> , Mathewe & Co. London.	Daview R.L. (1976)
6	<u>Central places in south Germany</u> , Translated by C. Baskin, Prentice Hall, Englewood cliff. N. J.	Christaller W. (1966)
7	<u>Economic of location</u> , Translated by W.H. Wolon, Yale University Press, New Heaven.	Losch A. (1955)
8	<u>Market towns and spial development in India</u> , N.C.A.E.R. New Delhi	N.C.A.E.R. (1983)
9	Spatial organization of market centres.	Dixit R.S. (1988)
10	<u>Geography and Retailing</u> , Hatchinson, London.	Scott P. (1970)
11	Marchants World: <u>The Geography of Whole Selling</u> , Prentice Hall, Englewood cliff, N.J.	Vance J. E. (1970)

# SOLAPUR UNIVERSITY SOLAPUR

Class - M.A./M.Sc. - II

Semester - IV

Sub – Geography (Practical Paper VII)

Name of the Paper – Remote Sensing And GIS

Code No. PG 2

Course No:- PG 212

Total Marks: - 100

Total Lectures: - 90

Objectives:-

- 1) Make students familiar with concept of remote sensing & its use in present geographic studies.
- 2) To give knowledge about Aerial photography.

Unit No.	Description	No. of Lectures
I	Concept of Remote sensing, advantages and limitations applications in Geography.	06
II	Electromagnetic radiation energy and its interaction with atmospheric matter.	06
III	Remote sensing platforms, sensors and data products.	06
IV	Aerial photography: types of aerial photographs, scale and resolutions, difference in topographic maps and imagery, air photographs.	06
V	Elements of aerial photo interpretation	06
VI	Introduction to image processing	04
VII	Introduction to geographic Information system definition; purpose advantages, disadvantages, data structure-raster, and vector, components – data input, output, data management.	06

Exercises: -

Sr. No.	Exercises
1	Introduction to vertical aerial photographs
2	Indexing of aerial photographs
3	Tracing with naked eyes.
4	Introduction to stereoscopes parallax bar, Stereoscopic test orientation and construction of 3D.
5	Photogrammetry: - a) Determination of scale by various methods b) Determination of height of object. c) Relief displacement and height determination. d) Introduction to parallax, parallax measurement and height determination e) Determination of overlap. Determination of photo coverage area and cost of photographs.
6	Interpretation and mapping of aerial photographs: - a) Land use and land cover b) Relief and landforms c) Significance of drainage d) Cultural landscape mapping e) Rock types lineament and structure
7	Visual interpretation of satellite image: - a) Landuse b) Landforms
8	Journal

## Reference Books

Sr. No.	Name of Books
1	Barrett E.C. and L.F. Curtis (1992): <u>Fundamentals of remote sensing and air photo interpretation</u> – Mcmillon, New York
2	Curran Paul. J. (1985): <u>Introduction of remotes sensing</u> , londman, London.
3	Comphell J. (1989): <u>Introduction to remote sensing</u> , Fuildord, New York.
4	Lillesand I. M. and kiefer R. W. (1979): <u>Remote sensing and image interpretation</u> , John Willey & Sons New York
5	Leuder D.R. (1959): <u>Areal Photographic interpretation</u> , Mc grew Hill Book Company, New York.
6	Saini R. R. Kalwar S. C. (1991): <u>Remote sensing in geography</u> , pointer Publishers, Jaipur.
7	Sabins F. F. Jour (1987): <u>Remote sensing principal of interpretation</u> , (II edition) W.H. Freeman and Company, New York.

# SOLAPUR UNIVERSITY SOLAPUR

Class - M.A./M.Sc. - II

Semester - IV

Sub – Geography (Practical Paper VIII)

Name of the Paper – Project Report with Field Work

Code No. PG 2

Course No:- PG 211

Total Marks: - 100

Total Lectures: - 90

## Section I - Field Work

Marks: - 50

Unit No.	Description
I	Significance of fieldwork in geography. Types of fieldworks (Macro, Meso and Micro)
II	Types of data, methods of data collection, presentation of data.
III	Types of sampling methods,
IV	Format of project report, preliminary section, the text and reference section.
V	Project report-Style of writing, quotation, footnotes, reference and bibliography, figures, and tables.

## Section II - Project Report

Marks: - 50

The students individually or a batches of not exceeding 15 are required to select a problem for the project report. They are expected to carryout field work to generate primary data regarding the problem. By analyzing the data so evolved students should prepare a report and submit it in office for final examination and viva-voce.

### Scheme of Marking

Question No. 1	} Section - I	25 Marks
Question No. 2		25 Marks
Question No. 3	Project Report (On Section II)	25 Marks
Question No. 4	Viva-Voce (On Section II)	25 Marks

## Reference Books

Sr. No.	Name of Books
1	Johnes P. A.: <u>Field work in Geography</u> , – Longman
2	Ahuja Ram, – <u>Research Method</u>
3	Kothari C. R. (1996): <u>Research Methodology</u> , – Vishwas Prakashan, New Delhi
4	Misra R. P. (1991): <u>Research Methodology in Geography</u> , Concept publication New Delhi
5	Archet J. E. Dalton T. H. (1968): <u>The field work in geography</u> , Batsford Ltd., London.
6	Haming Lioyed (1975): <u>Scientific Geographic Research</u> , W C Brow Company U.S.A.
7	Borase: <u>An Introduction of Research Method</u> , (2005)