

P.G. 3rd SEMESTER SYLLABUS
DEPARTMENT OF GEOGRAPHY
COTTON UNIVERSITY

Paper Title: GPH901C

Paper Title: Settlement and Urban Geography

Total Credits: 4(L+T+P=3+1+0)

No of Lectures: 48

Unit	Content	No. of lectures
1	Evolution of human settlements, determinants, settlement types, sustainability and environmental criteria for location of human settlements	6
2	Rural settlement: pattern in old world and new world; changing pattern of rural land use in India, geography of urban settlements: hierarchy of urban settlements, concepts of built up area, rural –urban fringe, Heat Island, Ecumenopolis, Shanty Towns and Ribbon development.	10
3	Introduction to urban geography, urbanism and urbanization, trend and patterns of urbanization in developed and developing countries.	6
4	Urban location of economic activities- urban morphology and landuse, theories related to internal structure of cities: concentric zone theory, sector theory and exploitative model, Indian urban system: growth and organisation-primacy, hierarchy and balance; urban functions and town classification	10
5	Urbanisation in the third world; political economy of urbanisation, contemporary urban issues and challenges: solid waste management, urban crime, environmental pollution, transport and congestion with special reference to developing countries	10
6	Urban design: objectives ,scope and techniques, case studies of Chandigarh and Guwahati with reference to land use and urban issues	6

Reading List:

- Ahluwalia, I. J., Kanbur, R., & Mohanty, P. (2014). *Urbanisation in India: Challenges, Opportunities and the Way Forward*. New Delhi: SAGE India.
- Bholey, M. (2016). India's Urban Challenges and Smart Cities: A contemporary Study. *Scholedge International Journal of Business Policy & Governance* , 17-23.
- Davis, M. (2017). *Planet of Slums*. Verso; Reprint edition.
- *Elderly in India -Profile and Programmes.2016* Ministry of Statistics and Programme, Government of India. New Delhi: www. mospi.gov.in.
- Fox, S. (2012). *University of Bristol*. Retrieved from 10.1111/j.1728 4457.2012.00493.x
- Ghosh, S. (1998). *Introduction to Settlement Geography*. Orient BlackSwan.
- Kasarda, J. D., & Crenshaw, E. M. (1991). Third World Urbanization: Dimensions, Theories and Determinants. *Annual Review of Sociology* , 467-501.

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- Mandal, R. B. (2001). *Introduction to Rural Settlements*. Bihar (India): Concept Publishing Company.
- Mills, E. S., Becker, C. M., & Verma, S. (1986). *Studies in Indian Urban Development*. World Bank.
- Mukherjee, J. (. (2018). *Sustainable Urbanisation in India Challenges and Opportunities*. Singapore: Springer.
- Mountjoy, A. B. (1978). *Urbanisation in the Third World*. The Geographical magazine .
- Rashmi, S. M., Sarkar, D., & Choudhary, A. (2013). *Urban poverty: Issues and Challenges*. Rajesh Publication.
- Siddhartha, K. (2016). *Economic Geography*. Kitab Mahal.
- Siddhartha, K., & Mukherjee, S. (2016). *Cities, Urbanisation & Urban Systems (Settlement Systems)*. Kitab Mahal Publishers and Distributors.
- Singh, R. Y. (2002). *Geography of Settlements*. Rawat Publications.

Paper Code: GPH902C

Paper Title: Geography of Development and Economic Activity

Total Credit: 4 (L+T+P=3+1+0)

No of Lectures: 48

Unit	Content	No. of lectures
1	Concept of development and its dynamics, patterns and problems of development, measuring development, the relation between technology and development, technology and economic development - global perspectives.	10
2	Theories of development: Myrdal and Rostow	5
3	Conceptual and theoretical development of economic geography; approaches in economic geography: institutional approach and problem solving approach.	8
4	Economic geography of agriculture: place of agriculture in global economy, critical study of large-scale and small-scale agriculture, regional pattern of agriculture of the U.S.A. and India.	8
5	Theories of industrial location: Weber and Losch and their applicability in selected industries.	7
6	Economic geography of energy: global pattern of energy production from conventional sources: water, coal and petroleum, and nonconventional sources: solar and nuclear.	6
7	Special Economic Zones (SEZ) and technology parks	4

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READING LIST:

- Alexander, J. W., 1986: *Economic geography*, Prentice Hall Inc. (E.E.Edition)
- Bhalla, G. S. and Tyagi, D. S., 1989: *Indian Agricultural Development*, I.S.I.D., New Delhi.
- Choudhury, M. R., 1970: *Indian Industries: Development and Location*, Oxford & IBH, Calcutta
- Das, M. M., 1984: *Peasant Agriculture in Assam*, Inter India Publications, New Delhi.
- Forbes, D. K., 1984: *Geography of Under Development*, John Hopkins Univ. Press, Baltimore.
- Gunner Alexanderson, 1988: *Geography of Manufacturing*, Prentice-Hall Inc, (E.E. Edition)
- Losch, A., 1954: *The Economics of Location*, New Haven.
- Miller, E. W., 1977: *Manufacturing: A Study of Industrial Location*, Pennsylvania State University Press, Pennsylvania.
- Smith, David M., 1981: *Industrial Location: An Economic Geographical Analysis*, Wiley, New York
- Symons, L., 1979: *Agricultural Geography*, West view Press, Colorado
- Thomas, R. S. and Corbin, P. B., 1974: *The Geography of Economic Activity*, McGraw Hill, New York
- Wheeler, J. O. and Muller, P. O., 1981: *Economic Geography*, John Wiley & Sons, New York
- Isard, W., 1975: *Introduction to Regional Sciences*, Engle Wood Cliffs
- Mohammad, N. (ed), 1992: *New Destinations in Agricultural Geography*, Concept Publishing Co., New Delhi.
- Pryde, P. R., 1983: *Non -Conventional Energy Resources*, Wiley, New York.
- Rostow, W. W., 1960: *The Stages of Economic Growth*, Cambridge University Press, New York.
- Roy. and Mukherjee, S. 1993 (2nd Edition): *Economic Geography*, Central Education Enterprises, Calcutta.
- Sushkin, Yulian, G., 1980: *Economic Geography: Theory and Models*, Progress Publishers, Moscow.
- Tarrant, J. R., 1980: *Agricultural Geography: Problems in Modern Geography*, Wiley,

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Paper Code: GPH903C

Paper Title: Research Methodology

Total Credits: 4 (L+T+P=3+0+1)

No of Lectures: 48

Unit	Contents	No. of lectures
1	Definition of research, essential features of research; nature of geographic research, Introduction to research methodology in geography, formulation of a research problem	6
2	Research design: Meaning, need and features of a research design, statement of the problem, objectives, and hypothesis/ research questions, methodology, significance, review of research works, referencing and bibliography	8
3	Inductive and deductive approaches in geographic research, concept development, model building and hypothesis testing.	8
4	Questionnaire design, construction of indicators / variables, data processing and analysis	10
5	Sources of geographic data: conventional, remote sensing, GIS, GPS.	10
6	Research ethics: plagiarism; data interpretation and research write-up: structure, components and presentation	6
7	Practical: Prepare a literature review on a topic of geographic significance; preparation of questionnaire for survey on a specific problem; Use of MS Excel/SPSS for data processing; hypothesis testing (t test, f test and chi square test)	1 credit

Reading List:

- Ackoff, R. L., 1961: *The Design of Social Research*, University of Chicago Press, Chicago.
- Goode William, J. and Hatt, Paul K., 1952: *Methods in Social Research*, McGrawHill Company, Inc., New York.
- Guthrie Gerard 2010: Basic *Research Methods*, SAGE publications, New Delhi.
- Kothari, C. R., 1993: *Research Methodology: Methods and Techniques*, 2nd ed., Wiley Eastern Ltd., New Delhi.
- Mishra, R. P., 1989: *Research Methodology: A Hand book*, Concept Publishing Company, New Delhi.
- Misra, H. N. and Singh, V. P., 1998: *Research Methodology in Geography*, Concept Publishing Company, New Delhi.
- Montello, Danial R. and Paul C. Sutton, 2006: *An Introduction to Scientific Research Methods in Geography*, Sage Publications, London.
- Nalwa, V., 1992: *The A B C of Research for Behavioural and Social Sciences*, Wiley Eastern, New Delhi.

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- Prasad, H., 1992: *Research Methods and Techniques in Geography*, Rawat Publications, Jaipur

Paper Code: GPH904 OPE

Paper Title: Geography of Tourism

Total Credit: 4 (L+T+P= 3+1+0)

No. of Lectures: 48

Unit	Content	No. of lectures
1	Definition and types of tourism, elements and factors of tourism, tourism as an industry.	8
2	Growth of tourism in India: problems and prospects. case studies on coastal tourism, rural tourism and urban tourism	12
3	Spatial pattern of tourism: global and regional, tourism organizations: WTO, ICAO, IATA, PATA, UFTAA, TAAL, IATO, ITDC, ATDC	10
4	Environment: meaning, components and role of natural environment on tourism, tourism and environmental change, sustainable tourism, environmental laws and tourism	12
5	Eco-tourism and its prospects in Northeast India.	6

Reading List:

- Allan M Williams and Shaw Gareth: *Tourism and Economic Development*, Belhaven Press, London
- Bhatia, A.K.: *International Tourism; Fundamentals and Practices*, Sterling Publishers Pvt. Ltd, New Delhi
- Bhatia, A.K.: *Tourism Development; Principles and Practices*, Sterling Publishers Pvt. Ltd, New Delhi
- Bhatia, A.K.: *Tourism in India*, Sterling Publishers Pvt. Ltd, New Delhi
- Chattopadhyay K. : *Economic Impact of Tourism Development: An Indian Experience*, Kanishka Publishers, Delhi
- Dhaliwal G. S. & Kukal, S. S. : *Essentials of Environmental Science*, Kalyani Publishers, New Delhi
- Gupta V. K. : *Tourism in India*, Gian Publishing House, Delhi
- Misra S. N. & Sadual S. K. : *Basics of Tourism Management*, Excel Books, New Delhi
- Pearce D G 1987: *Tourism Today: A Geographical Analysis*, Harlow, Longman
- Prabu P. C. Udayasoorian C. & Balasubramanian G. : *An Introduction to Ecology and Environmental Science*, Avinash Paperbacks, Delhi
- Sharma J K (ed), 2000: *Tourism Planning and Development- A New Perspective*, Kaniska Publishers, New Delhi

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- Sharma K.C.: *Tourism, Policy Planning Strategy*, Pointer Publishers, Jaipur
- Sharma K. K. : *Tourism in India (Centre State Administration)*, Classic Publishin House, Jaipur
- Sharma and Sharma: *Discovery of North East India (11 Volumes)*, Mittal Publishers, New Delhi
- Singh R.: *Dynamics of Modern Tourism*, Kanishka Publishers, New Delhi.

Paper Code: GPH905 SPL

Paper Title: Basic foundation of Cartography

Total Credit: 5 (L+T+P= 2+1+2)

No. of Lectures: 32

Unit	Contents	No. of lectures
1	Defining the field of cartography; history of development and recent trends, cartography today and tomorrow- impact of changing technology and information age mapping.	4
2	Basic Geodesy – cartographic use of spherical, ellipsoidal and geoidal earth, geographical coordinates; properties of the graticules – distance on the sphere and great circle, direction and area; geodetic position determination – geodetic latitude and longitude, horizontal control and vertical control network.	7
3	Fundamentals of spherical trigonometry: Spherical triangle, spherical excess, sine and cosine formulae, Napier’s rule of five part circle, convergence of meridians.	5
4	Principles of ground survey and positioning; geodetic and plane surveying; concept of triangulation survey, automated survey systems- total stations, electronic positioning, basic concept and principles of surveying by Global Positioning Systems (GPS).	5
5	Basic problems of map projection (earth’s shape and size, scale and coordinate system) and principles and methods of construction: zenithal oblique gnomonic and stereographic projections	7
6	Methods of thematic map reproduction, problems, prospects and emerging issues in thematic cartography.	4
7	PRACTICAL: Alber’s conical equal area projection and gauss’ conformal projection homolosine projection, international projection. Surveying by total station/ GPS/DGPS, theodolite Two qualitative and two quantitative thematic map of (Assam /India / North East India).	2 credit

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Reading list:

- Clendinning, J., 1960: *Principles of Surveying* 2nd edition.
- Curtis, H., 2000: *The GPS Accuracy Improvement Initiative*, *GPS World*, June, 2000.
- Deetz, C. H. and Adams, O. G.: *Elements of Map Projections*, Govt. Printing Office, Washington.
- Garnett, W.: *Map Projections*, George Phillip and Sons, London.
- Gopi, S., 2005: *Global Positioning System Principles and Applications*, Ta McGraw Hill, New Delhi.
- Hinks. A. R., 1921: *Map Projections*, Cambridge University Press, London.
- Kanetkar, T. P. And Kulkarni, S. V., 1972: *Surveying and Levelling* [Part-I &II], Vidyarthi Griha Prakashan, Pune.
- Langley, R. B., 1991: *The GPS Receiver – An Introduction*, *GPS World*, 2(1).
- Robinson, A. H.; Morrison, J. L.; Muehrcke, P. C.; Kimerling, A. J. And Guphill, S. C., 1995: *Elements of Cartography*, John Wiley & Sons Inc, New York.
- Sandover, J. A., 1961: *Plane Surveying*, Arnold.
- Steers, J. A., 1953: *An Introduction to the Study of Map Projections*, University of London Press, London

Paper Code: GPH906 SPL

Paper Title: Agricultural Geography

Total Credits: 5 (L+T+P, 2+1+2)

No. of Lectures: 32

Unit	Content	No. of lectures
1	Approaches to the study of agricultural geography: commodity, systematic, regional, inductive and deductive, modern trends in the study of agricultural geography.	6
2	Determinants of agriculture: physical, economic, social, institutional and technological; land holding and land tenure systems; land reforms, land use policy and planning.	6
3	Selected agricultural concepts and their measurements: cropping pattern, crop rotation, crop concentration, intensity of cropping, diversification, efficiency and productivity, crop combination regions	6
4	Methods in agricultural geography: Von Thunen's model of agricultural location and its recent modification; concept of agricultural region, agricultural types and agricultural systems.	8
5	Agricultural classification according to Whittlesey, land use and land capability classification.	6
6	Practical: -Origin and diffusion of agriculture in the world -Preparation of agricultural land use map	2

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-Crop combination- Nelson’s method and Weaver’s method, Crop concentration. -cropping intensity map. -Measurement of agricultural productivity: (a) Kendall’s ranking co-efficient method; (b) Sapre and Deshpande’s method of weighted index; (c) Jasbir Singh’s method and (d) Bhatia’s method.	credit
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Reading List:

- Alexander, J.W., 1963: *Economic Geography*, Prentice Hall, Englewood Cliffs, N. J.
- Anderson, J.R., 1970: *A Geography of Agriculture*, Iowa: WMC Brown Co.
- Clark, Colin and Haswell, Margaret, 1964: *The Economy of Subsistence Agriculture*, St. Martin’s, London.
- Chorley, R. J. and Haggett, P., 1971: *Socio-Economic Models in Geography*, MethuenandCo. Ltd., London..
- Hussain, M., 2001: *Systematic Agricultural Geography*, Rawat Publication, Jaipur andNew Delhi.
- Morgan, W.B. and Munton, R.J.C., 1971: *Agricultural Geography*, Methuen, London.
- Singh, J., 1974: *Agricultural Atlas of India: A Geographical Analysis*, Vishal Publishers, Kurukhsetra.
- Singh, J., 1976: *Agricultural Geography*, Tata McGraw Hill Pub. Co., New Delhi.
- Symons, L., 1967: *Agricultural Geography*, G. Bells and Sons, London.
- Tarrant, John, R., 1974: *Agricultural Geography*, David and Charles, Newton. Book House, Delhi.
- Tiwari, 1991: *Agricultural Geography*, International Book House, Delhi.
- Whittlesey, D., 1936: ‘*Major Agricultural Regions of the World*’, *Annals of the Associationof American Geographers*, 26.
- Gregor, Howard, F., 1970: *Geography of Agriculture: Themes in Research*, Prentice Hall, Englewood Cliffs, N. J.
- Grigg, D.B., 1978: *Agricultural Systems of the World: An Evolutionary Approach*, Cambridge University Press, Cambridge.
- Ilbery, 1991: *Agricultural Geography: Social and Economic Analysis*, International Book House, Delhi.
- Mohammad, N. (ed), 1992: *New Dimensions in Agricultural Geography* (in 8 Volumes), Concept Publishing Company, New Delhi.
- Wheeler, K. B., Ladley, A. M. and Leong, F. G., 1970: *Studies in AgriculturalGeography*, Bland Educational, London.

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Paper Code: GPH907 SPL

Paper Title: Drainage Basin and Hydrology

Total Credits: 5 (L+T+P= 2+1+2)

No. of Lectures: 32

Unit	Content	No. of lectures
1	Field and scope of fluvial geomorphology; recent advancements; relation between fluvial geomorphology and hydrology; concepts on river / drainage basin and health of the rivers, basic considerations on delineation of river basin; major fluvial regimes of India.	5
2	Drainage basin characteristics - shape, size, topographic, rock and soil, and vegetation; association between one to other basin characteristics; human interference in the basin: dam construction and resultant affects.	5
3	Drainage basin as a morphometric unit; drainage basin morphometry - linear, areal and relief aspects of the basin and associated laws of drainage morphometry; hypsometric analysis of the basin.	6
4	Drainage basin as a fluvial system: hydrological cycle, input and output of the basin; runoff, components of runoff, factors affecting runoff, runoff estimation and urban flooding.	6
5	Basic hydrological processes: precipitation, evapotranspiration, infiltration, interception; ground water - occurrence, types and movement; quality and quantity measures, principles of water balance and its application, with special reference to crop productivity.	5
6	River basin planning and development- basic principles and practices; integrated drainage basin management, modern methods and techniques in fluvial geomorphological studies: Remote Sensing, GIS and computer application.	5
7	Practical- - Preparation of a DEM of hill / mountainous area from contours and computation of slopes and aspects. 3-D visualization of SRTM Data. -(i)Verification of the laws of drainage network analysis-(a) drainage order and numbers, (b) order and length (c) order and area (ii) drainage density and (iii) drainage frequency map, (iv) basin circularity ratio and form factor, (v) hypsometric curve. -(i) Delineation of a well-defined drainage basin, computation of area; (ii) drawing of drainage network and computation of basin length, river length and shape index.	2 credit

Reading List:

- Chorley, R. J. (ed), 1969: *Water, Earth and Man*, Methuen, London.
- Gregory, K. J. and Walling, D. E., 1973: *Drainage basin Form and Processes*, Arnold, London.
- Jensen, J. R., 2011: *Remote Sensing of the Environment – An Earth Resource Perspective*, 3rd Impression, *Chapter-14*, Pearson, New Delhi.

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- Goudie, Andrew, et. Al. (eds), 1981: *Geomorphological Techniques*, George Allen &Unwin, London.
- King, C. A. M., 1966: *Techniques in Geomorphology*, Edward Arnold, London.
- Knighton, D., 1984: *Fluvial Forms and Processes*, Edward Arnold, London.
- Leopold, L. B., Wolman, M. G., and Miller, J. P., 1964: *Fluvial Processes in Geomorphology*, W.H. Freeman, USA.
- Morisawa, M., 1968: *Streams: Their Dynamics and Morphology*, McGraw Hill Book Company, New York.
- Sabins, Floyd. F., 1978: *Remote Sensing: Principles and Interpretation*, H. W. Freemanand Company, San Francisco.
- Smith, D. I. and Stopp, P., 1978: *The River Basin: An Introduction to the Study of Hydrology*, Cambridge.
- Chow, V. T., 1964: *Handbook of Applied Hydrology*, McGraw Hill Book
- Fairbridge, R. W. (ed), 1968: *Encyclopedia of Geomorphology*, Reinhold, New York.
- Mutreja, K. N., 1986: *Applied Hydrology*, McGraw Hill Book Company, New York.
- Charlton R (2015) *Fundamentals of Fluvial Geomorphology*, Routledge, New York.
- Brierley G.J. and Fryirs K.A. (2005) *Geomorphology and River Management*, Blackwell Publishers, USA,UK, Australia

Paper Code: GPH908 SPL

Paper Title: Remote Sensing Principles and Techniques

Total Credits: 5, (L+T+P, 2+1+2)

No. of Lectures: 32

Unit	Content	No. of lectures
1	Aerial photography – needs and applications, geometry of vertical air photographs – scale and height measurements, stereoscopic measurements of object height, digital orthoimages and their uses.	6
2	Aerial camera and film characteristics, planning aerial photography missions, elements of visual image / photo interpretation.	6
3	Earth observation satellites and remote sensing satellites; types and characteristics of sensors, remote sensing data products and characteristics – spatial, radiometric, spectral and temporal resolutions with reference to IRS, SPOT, Quickbird, GeoEye and LANDSAT data; Path – Row referencing system	6
4	Electromagnetic radiation principles, responses of earth materials – water, vegetation, urban landscape, soils and minerals; remote sensing of natural resource monitoring and management	8

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5	Principles of thermal, hyper spectral, microwave and LiDAR Remote Sensing.	6
6	Practical: Determination of scale and displacements of aerial photographs (ii) stereoscopic interpretation of aerial photos; Any two exercises on image characteristics and statistics, computation areas on image. LU/LC Mapping Identification of geomorphological features. DIP- unsupervised, supervised classification and reporting of statistics.	2 credit

Reading list:

- Agarwal, C. S., and Garg, P. K., 2000: *Textbook on Remote Sensing in Natural Resources Monitoring and Management*, Wheeler Publishing, New Delhi.
- Anderson, J. R., et al., 1976: *A Landuse / Landcover Classification System for Uses with Remote Sensing Data*, USGS Professional Paper.
- Avery, T.E., 1963: *Interpretation of Aerial Photography*, Burgess Publishing Co., Minneapolis.
- Gonzalez, R. C., Woods, R. E., 2000: *Digital Image Processing*, Fifth Indian Reprint, Addison Wesley Longman, Delhi.
- Jensen, J. R., 2011: *Remote Sensing of the Environment – An Earth Resource Perspective*, 3rd Impression, Pearson, New Delhi.
- Lillesand, T.M. and Kiefer, R.W., 1987: *Remote Sensing and Image Interpretation*, John Wiley.
- Wolf, R., 1974: *Elements of Photogrammetry*, McGraw Hill, New York.

Paper Code: GPH909 SPL

Paper Title: Basis of Regional Planning and Development

Total Credits: 5, (L+T+P, 2+1+2)

No. of Lectures: 32

Unit	Content	No. of lectures
1	Need and purpose of regional planning: synoptic, functional and adhoc or specific	4
2	The concept of region, regionalization and regional development	4
3	Central place Theory of Christaller, Growth Pole Theory of Perroux and Boudeville, Theory of Prebisch, Cumulative Causation Theory of Gunnar Myrdal and Multi-level Growth Foci concept of R. P. Mishra	8
4	Case studies of regional planning exercises: National Capital Region and North East India, River basin planning- a case study from India	6

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5	Decentralization and multi-level planning - features of decentralised planning, decentralised planning in India, concept and procedures in multilevel planning; stages in the evolution of multi-level planning process, multi-level planning in India, regional planning strategy under five year plans	10
	Practical: - Regionalisation using methods – (i) overlapping of different themes, (ii) combinational analysis- Weaver’s method and Nelson’s method and (ii)Factor analysis -Demarcation of nodal region. - Disparity in concentration of different groups of population by (i) L. Q. Method; (ii) Lorenz Curve. - Functional classification of regions	2 credit

Reading list:

- Alden J. and R. Morgan, 1974: *Regional Planning: A Comprehensive View*, Leonard Hills Books, U.K.
- Bhat, L. S., 1976: *Micro-Level Planning: A Case Study of Karnal Area, Haryana*, Concept Publishing Co., New Delhi.
- Chand, M. and Puri, V. K. 1993: *Regional Planning in India*, Allied Publishers Limited, B/M Asraf, Ali Road, New Delhi-110002.
- Chandna, . R. C., 2000: *Regional Planning: A Comprehensive Text*, Kalyani Publishers, New Delhi .
- Dickinson , R. E: *City, Region and Regionalism*,
- Hall, P., 1975: *Urban and Regional Planning*, David and Charlos, London.
- Hilborst,J. G. M. (1971) : *Regional Planning: A System Approach*, Notterdam University Press.
- Mishra, R. P, 1992: *Regional Planning: Concept, Techniques, Policies and Case Studies*, Concept Publications, New Delhi.

Paper Code: GPH 910 SPL

Paper Title: Conceptual and Theoretical Framework of Social Geography

Total Credits: 5, (L+T+P, 2+1+2)

No. of Lectures: 32

Unit	Contents	No. of lectures
1	The nature and development of social geography, approaches of study, philosophical and methodological development and contemporary trends in social geography; development of social geography in India.	6
2	Concepts of social space, social organization, social area analysis and factorial ecology, understanding society and its structure and process, geographical	4

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	bases of social formations.	
3	Social groups, social structure and social development: an international perspective, processes of social change: modernization, urbanization, industrialization and other socio-economic and cultural processes.	8
4	Gender perspective in Social Geography: Status and role of women in a society, gender discrimination, participation in politics and enfranchisement.	8
5	Gender gaps in social and public life: education, wage differentials in economic activities, health care and nutrition; scope for bridging gender gap: empowerment of women with education and economic opportunities.	6
6	Practical: Social area analysis by Principal Component Analysis (PCA), Distribution and concentration pattern among social groups. Socio-spatial relationships, disparity and gradient patterns.	2 credit

Reading list:

- Ahmad, A., 1999: *Social Geography*, Rawat Publications, Jaipur and New Delhi.
- Ahmad, A., (ed), 1993: *Social Structure and Regional Development: A Social Geography Perspective*, Rawat Publications, Jaipur.
- Eyles, J.: '*Social Geography*', in Johnston, R.J., et al, *The Dictionary of Human Geography*.
- Jones, E. and Eyles, J., 1977: *An Introduction to Social Geography*, Oxford University Press, Oxford and New York.
- Hannett, Caris. (eds), 1996: *Social Geography: A Reader*, Arnold, London.
- Jones, E, (ed), 1975: *Readings in Social Geography*, Oxford University Press, Oxford. London.
- Milton, Keynes, 1972: *Social Geography: New Trends in Geography*, Open University Press.
- Taher, M., 1994: *Social Geography: Concept and Theories*, NEIGS, Guwahati.
- Carter, John and Trevor, Jones., 1989: *Social Geography: An Introduction to Contemporary Issues*, Edward Arnold, London.
- Gregory, D. and Urry, J. (eds), 1985: *Social Relation and Social Structure*, Macmillan, London.
- Harvey, D., 1972: *Social Justice and the City*, Arnold, London.
- Jackson, P. and Smith, S., 1984: *Exploring Social Geography*, George Allen and Unwin (Publishers) Ltd., London
- Knox, P., 1995: *Social Well-being: A Spatial Perspective*, Oxford University Press Oxford.
- Momsen, J. H. and Townsend, G., 1987: *Geography of Gender in the Third World*, Hutchinson, State University of New York Press, London, New York.
- Sharma, H. N., 2000 : '*Social Geography*' in Singh, J.(ed.) *Progress in Indian Geography (1996-2000)*, INSA, New Delhi.
- Smith, D. M., 1977 : *Human Geography : A Welfare Approach*, Edward Arnold,
