

MAHARAJA GANGA SINGH UNIVERSITY, BIKANER

Ph. D. COURSE WORK IN GEOGRAPHY

Unit-I

Geomorphology : Fundamental concepts; Factors controlling landform development, Endogenetic and Exogenetic forces; Denudation process; weathering and erosion, Geosynclines, mountain building, continental drift and plate tectonics; Concept of Geomorphic Cycle, Landforms associated with fluvial, glacial, arid, coastal and karst cycles, Slope forms and processes; Environmental and Applied Geomorphology.

Unit-II

Climatology : Composition and structure of the atmosphere; Insolation; Heat budget of the earth; Distribution of temperature, atmospheric pressure and general circulation of winds; Monsoons and jet streams; Stability and instability of the atmosphere; Air-masses; Fronts, temperate and tropical cyclones; Types and distribution of precipitation; Classification of world climates; Koppen's and Thornthwaite's schemes; Hydrological Cycle; Global warming.

Unit-III

Oceanography : Origin of ocean basins; Bottom relief of Indian, Atlantic and Pacific Oceans; Ocean deposits; Coral reefs; Temperature and salinity of the Ocean; Density of sea water; tides and ocean currents; Sea-level changes.

Bio-Geography : Physical factors influencing world distribution of plants and animals; forms and functions of ecosystem : Forest, grassland, marine and mountain ecosystem; Bio-diversity and its depletion through natural and man induced causes; ecosystem; Bio-diversity and its depletion through natural and man induced causes; Conservation and management of ecosystems; Environmental hazards and problems of pollution; Ozone depletion.

Unit-IV

History of Geographic Thought : General character of Geographic knowledge during the ancient and medieval period, Foundations of Modern Geography : Contribution of German, French, British and American schools; Conceptual and methodological developments during the 20th century; Changing paradigms; Man and Environment, determinism and possibilism, areal differentiation and spatial organization; Quantitative revolution; Impact of positivism, humanism, radicalism and behaviouralism in Geography

Unit-V

Population Geography : Nature, scope, subject matter and recent trends; Patterns of world distribution, growth and density of population; Policy issues; Patterns and processes of migration; Demographic transition; Population-resource regions.

Settlement Geography : Site, situation, types, size, spacing and internal morphology of rural and urban settlements; Ecological processes of urban growth; Urban fringe; City-region; Settlement systems; Primate city; Rank-Size rule; Settlement hierarchy; Christaller's Central Place theory; August Losch's theory of market centres.

Unit-VI

Economic Geography : Location of economic activities and spatial organization of economics; Classification of economics; Sectors of Economy; primary, secondary tertiary and quaternary; Natural resources; Renewable and non-renewable; Conservation of resources.

Agricultural Geography : Concept and techniques of delimitation of agricultural regions; Measurement of agricultural productivity and efficiency; Crop combinations and diversification; Von Thunen's Model; Agricultural systems of the world.

Industrial Geography : Classification of industries : Weber's and Losch's approaches; Resource based and footloose industries.

Geography of Transport and Trade : Models of transportation and transport cost; Accessibility and connectivity : Inter-regional and Intra-regional : Comparative cost advantages.

Unit-VII

Political Geography : Definition and scope of Political Geography : Geopolitics; Global strategic views (Heartland and Rimland theories); Concept of nation; state and Nation-state; Boundaries and frontiers; Politics and world resources; Geography and Federalism.

Social Geography : Nature and scope of social geography; Social structure and social processes; Elements of social geography-ethnicity, tribe, dialect, language, caste and religion; Concept of social well-being.

Cultural Geography : Nature and scope of Cultural Geography; Environment and culture; Concept of culture areas and culture regions; Theories of tribal groups; Dwelling places as cultural expressions.

Unit-VIII

Regional Planning : Regional concept in Geography; its application to planning; Concept of planning region; Regional hierarchy, Types of regions and methods of regional delineation; Conceptual and theoretical framework of regional planning; Regional planning in India : Concept of development; Indicators of development; Regional imbalances.

Unit-IX

Geography of India : Physiographic divisions; Climate : its regional variations; Vegetation types and vegetation regions; Major soil types; Coastal and Marine resources; Water resources; Irrigation; Agriculture; Agroclimatic regions; Mineral and power resources; Major industries and industrial regions; Population distribution and growth; Settlement patterns; Regional disparities in social and economic development.

Unit-X

Cartography : Map as a tool in Geographical studies; Types of maps; Techniques for the study of spatial patterns of distribution; Single purpose and composite maps; Choropleth, Isopleth and Chorochromatic maps and pie diagrams; Mapping of location specific data; Accessibility and flow maps.

Remote sensing and computer application in mapping; Digital mapping, Geographic Information System (GIS) : Thematic maps.

Statistical Methods : Data sources and types of data; Statistical diagrams, study of frequency

distribution and cumulative frequency; Measures of central tendency; Selection of class intervals for mapping; Measures of dispersion (Simple index of dispersion). and concentration (Bernard's index of concentration; Kant's index of concentration); Standard deviation; Lorenz curve; Methods of measuring associations among different attributes; Simple and multiple correlation; Regression.

Measurement of spatial patterns of distribution; Nearest-neighbour analysis; Scaling techniques, rank score, weighted score, Sampling techniques for geographical analysis. Quantification in major fields of geography : morphometric analysis, Land capability classification, Measurement of agricultural efficiency; Quantitative methods in economic regionalization.

Unit-XI

Meaning and significance of research, types and objectives of research, research process, research approaches, defining the research problems, problems of geographic research; formulation of research schemes; role and significance of research bodies and funding agencies to assist research work. Research design; hypothesis; theory and scientific law; preparing a research project; writing a research report.

Books Recommended

Geomorphology

- Agrawal, A. et al. : The Citizen's Fifth Report. Centre for Science and Environment, New Delhi, 1999.
- Ahmed, E. : Coastal Geomorphology of India, New Delhi.
- Cotton, C.A. : Geomorphology, John Willey & Sons, New York.
- Dayal, P. : A Textbook of Geomorphology, Shukla Book Depot, Patna, 1996.
- Holmes, A. : Principles of Physical Geology, Nelson, 1978.
- Jefferys, H. : The Earth - Its Origin, History and Physical Constitution.
- Kale, V. and Gupta, A. : Element of Geomorphology, Oxford University Press, Calcutta, 2001.
- King and Embleton, C.A.M. : Glacial and Pre-Glacial Geomorphology, Edward Arnold, London, 1975.
- Lobeck, A.K. : Geomorphology, McGraw Hill Book Co., New York, 1939.
- Monkhouse, F.J. : Principles of Physical Geography, Hodder and Stoughton, London, 1960.
- Pitty, A.F. : Introduction to Geomorphology, Methuen, London, 1974.
- Sharma, R.C. and Vatal, M. : Oceanography for Geographers, Chetanya Publishing House, Allahabad, 1970.
- Singh, S. : Geomorphology, Prayag Publication, Allahabad, 1998.
- Singh, Savindra : Physical Geography, Prayag Pustak Bhawan, Allahabad.
- Small, R.J. : The Study of Landforms, McGraw Hill, New York, 1985.
- Steers, J.A. : The Unstable Earth, Kalyani Publishers, New Delhi.
- Strahler, A. N. and Strahler, A.H. : Modern Physical Geography, John Wiley, Revised Edition, 1992.
- Strahler, A.N. : Earth Sciences, Harper and Row Publishers, New York.
- Thornbury, W.D. : Principles of Geomorphology, John Willey, New York, 1960.
- Thurman, H.B. : Introductory Oceanography, Charles Webber, E.Merril Publishing Co., 1984.

Trewartha, G.T. : An Introduction to Climate, International Students edition, McGraw Hill, New York, 1980.

Wooldridge, S.W. and Morgan, R.S. : An Outline to Geomorphology, Longmans, Green and Co., London, 1960.

Wooldridge, S.W. and Morgan, R.S. : The physical basis of geography - An Outline of Geomorphology, Longman, 1959.

Young, A. : Slopes, Oliver and Boyd, Endinburgh, 1972.

Climatology and Oceanography

Barry, R.G. and Chorley, P.J. : Atmosphere, Weather and Climate, Routledge, London and New York, 1998.

Critchfield, J.H. : General Climatology, Prentice Hall, India, New Delhi, 1993.

Das, P.K. : Monsoons, National Book Trust, New Delhi, 1987.

Davis, Richard, J.A. : Oceanography - An Introduction to the Marine Environments, Wm.C.Brown Iowa, 1986.

Fein, J.S. and Stephens, P.N. : Monsoons, Wiley Interscience, 1987.

Garrison, T. : Oceanography - An Introduction to Marine Science, Books Cole, Pacific Grove, USA, 2001.

Lal, D.S. : Climatology, Chaitanya Publications, Allahabad, 1986.

Lydolph, P.E. : The Climate of the Earth, Rowman, 1985.

Menon, P.A. : Our Weather, N.B.T., New Delhi, 1989.

Peterson, S. : Introduction to Meteorology, McGraw Hill Book, London, 1969.

Robinson, P.J. and Henderson, S. : Contemporary Climatology, Henlow, 1999.

Sharma, R.C. : The Oceans, Rajesh, New Delhi, 1985.

Sharma, R.C. and Vatal, M. : Oceanography for Geographers, Chaitanya Publishing House, Allahabad, 1992.

Thompson, R.D. and Perry, A. (ed.) : Applied Climatology, Principles and Practice, Routledge, London, 1997.

Trewartha, G.T. : An Introduction to Climate, McGraw, 1968.

Bio Geography

Barry, C. : Biogeography - An Ecological and Evolutionary Approach, Cox Blackwell, Oxford, 1977.

Cain, S.A.: Foundation of plant Geography, Harper and Row, New York, 1944

Darlington, P.J. : Zoo-Geography - The Geographical Distribution of Animals, John Wiley, London, 1957

G. Ponal : The Geography of Flowering Plants

Huggett, R.J. : Fundamentals of Biogeography, Routledge, USA, 1998.

Martin, C. : Plant Geography, Methuen, 1975

Mathur, H.S.: Essentials of Biogeography, Anuj Printers, Jaipur, 1998.

Newbegin : Plant and Animal Geography

Pears, N. : Basic Biogeography, II ed., Longman, London, 1985.

Phillip, J. : Zoogeography : The Geographical Distribution of Animals, John Wiley, New York, 1957

Robinson, H. : Biogeography, Mcdonald and Evans, London, 1982.

S.I.Hora : Fundamental Conception of Zoo-Geography, N.G.S.I. Banaras.

S.I.Hora : Terrestrial Fishes and the significance of their distribution in Geographical Studies, N.G.S.I., Banaras.

Schimper : Plant Geography

Seddon, B. : Biogeography, Duckworth, London, 1971.

Simmon, I.G. : Biogeography, Natural and Cultural, Longman, London, 1974.

World Resources 2000-01 : People and Ecosystems, World Resource Institute, Washington, 2001.

Zoo-Geographical Atlas

Geographical Thought

Adhikari, Sudeepta : Fundamentals of Geographical Thought, Chaitanya Publishing Hosue, Allahabad, 1992.

Ali, S.M. : The Geography of Puranas, Peoples Publishing House, Delhi, 1966.

Dickinson, Robert E. : The Makers of Modern Geography, Roulledge and Kegan Paul, London, 1969.

Dikshit, R.D. (ed.) : The Art & Science of Geography Integrated Readings, Prentice Hall of India, New Delhi, 1994.

Dikshit, R.D. : Geographical Thought - A Contextual History of Ideas, Prentice Hall of India Pvt. Ltd.

Doi, R.D. : Geographic Thought - A Spectrum of Compilation to coherence, Univ. Book House, Jaipur, 2002.

G.Taylor (ed.) : Geography in Twentieth Century, Methuen, London

Hagget, P. : Geography - A Modern Synthesis, Harper and Row, New York, 1972.

Hagget, P. : Geography - A Regional Synthesis, Harper and Row, New York, 2001.

Hartshorne, Richard : Perspectives on the Nature of Geography, Rand Mc Nally & Co., Chicago, 1959.

Harvey, M.E. and Holly : Themes in Geographic Thought, Rawat Publications, Jaipur.

Husain, Majid : Evolution of Geographical Thought, Rawat Publications, Jaipur.

Jenson, A.H. : Geography : History and Concepts, 1988.

Johnston, R.J. : The Future of Geography, Methuen, London, 1988.

Wooldridge and East : The Spirit and Purpose of Geography, Hutchinson University Library, London, 1951

Geography of Population & Settlement

Bogue, D.J. : Principles in Demography, John Wiley, New York, 1969

Census of India : India - A State Profile, 1991.

Chandna, R.C. Geography of Population : Concept, Determinants and Patterns, Kalyani Publishers, New Delhi, 2000.

Chisolm : Rural Settlement and Landuse.

Clarke, John I. : Population Geography, Pergamon Press, Oxford, 1973.

Garnier, B.J. : Geography of Population, Longman, London, 1970.

Hudson, E.S. : Geography of Settlement.

Jones : A Population Geography.

Mamoria, C.B. : India's Population Problem, Kitab Mahal, New Delhi, 1981.

Mitra, Asok : India's Population : Aspects of Quality and Control, Vol. I and II, Abhinav Publications, New Delhi, 1978.

Sharma, R.C. : Settlement Geography of Indian Desert, Kumar Brothers, New Delhi, 1972.

Singh, R.L. : Meaning, Objectives, Scope of Settlement Geography, B.H.U.

Smailes, A.E. : The Geography of Towns, Hutchinson University, Library, London, 1953.

Srinivasan, K. : Basic Demographic Techniques and Applications, Sage Publications, New Delhi, 1998.

Sundaram, K.V. and Sudesh Nangia (ed.) : Population Geography, Heritage Publications, Delhi, 1986.

Woods, R. : Population Analysis in Geography, Longman, London, 1979.

Zelinsky, W. : A Prologue to Population Geography, Prentice Hall, 1966.

Economic Geography

Alexander, John, W. : Economic Geography, Prentice Hall of India Ltd., New Delhi, 1988.

Alexanderson, C. : Geography of Manufacturing, Prentice Hall, Bombay, 1967.

Allen, J.L. : Students Atlas of Environmental Issues, Dushkin Pub., 1997.

B.B.S. Kapoor and Ahmed Ali : Sustainable Resource Management, Madhu Publications, Bikaner.

B.B.S. Kapoor, Ahmed Ali *et al.* : Current Environmental Issues, Madhu Publications, Bikaner.

Bengston, N.A. and Royen, M.V. : Fundamentals of Economic Geography, Prentice Hall, New York.

Berry Conkling & Ray : The Geography of Economic Systems, Prentice Hall.

Brij Gopal : Elements of Ecology.

Brown, L.R. : In the Human Interest, East-West Press, New Delhi, 1976.

Centre for Science & Environment : The State of India Environment : A Citizen's Report, 1982, 1985, New Delhi.

Choudhary, M.R. : Industrial Geography of India.

Desh Bandhu (ed.) : Environmental Management, Indian Environment Society, New Delhi.

Dickondon, G.C. : Statistical Mapping of Statistics, London.

Dreze, J. and Sen, A. : India - Economic Development and Social Opportunity, Oxford University Press, New Delhi, 1996.

Estall, R.C. and Buchanan R.O. : Industrial Activity & Economic Geography, Hutchinson & Co., London.

Ghose, B.C. : Industrial Location.

Global Environment Outlook. Earthscan., London, 2000.

Guha, J.L. & Chattoraj, P.R. : A New Approach to Economic Geography. World Press, Kolkatta.

Hartshorn, T.A. and Alexander, J.W. Economic Geography, Prentice Hall, New Delhi, 2000.

Hodder, B.W. and Lee, Roger : Economic Geography, St. Martin's Press, New York, 1974.

Hoover, E.M. : The location of Economic Activity, McGraw Hill Books Co., New York.

Isard, W. : Methods of Regional Analysis, The Technology Press, of MIT and John Wiley, New York, 1956.

Jones, C.F. and Darkenwald, G.G. : Economic Geography, McMillan Co., New York, 1975.

K.Siddartha : Economic Geography, Kisalaya Publication Pvt. Ltd., Noida, New Delhi.

Khan, Z.A. : Textbook of Practical Geography Concept, New Delhi, 1998.

Lawrence, G.R.P. : Cartographic Methods, London, 1971.

Leong, G.C. and Morgen, G.C. : Human & Economic Geography, Oxford University Press, London, 1982.

Llyod, Peter E. and Dicken, P. : Location in space : A Theoretical Approach to Economic Geography, Harper and Row, New York, 1972.

Mc Carty, H.H. and James, B. Lindberg : A Preface to Economic Geography, Englewood Cliffs, Prentice Hall, 1966.

Miller, E. : A Geography of Manufacturing, Prentice Hall, Englewood Cliffs, New Jersey, 1962.

Park, C.C. : Ecology and Environmental Management, Butterworths, London, 1980.

Renner, T.H. & Other : World Economic Geography.

Riley, R.C. : Industrial Geography, Chatto and Windus, London, 1973.

Robertson, D. (ed.) : Globalization and Environment, E. Elgar Co. U.K., 2001.

Robinson, A.H. et al. : Elements of Geography, John Willey, New York, 1995.

Robinson, H. : Economic Geography, M.Sc. Donald London.

Sarkar, A.K. : Practical Geography : A Systematic Approach, Oriental Longman, Calcutta, 1997.

Simmons, I.G. : The Ecology of Natural Resources, Edward Arnold, London, 1974.

Singh & Singh (ed.) : Geography of Environment, Concept, New Delhi.

Singh, R.L. : Elements of Practical Geography, Kalyani Pub., New Delhi.

Smith, David M.: Industrial Location : An Economic Geographical Analysis, II ed. Wiley, New York, 1981.

Smith, J.C. and Phillip, M.O. : Industrial and Commercial Geography, Henry Halt.

Steers J.A. : Map Projections, University of London Press, London.

Strahler, A.N. : Geography and Man's Environment, John Willey, New York, 1976.

Thoman, R.S. : The Geography of Economic Activity, McGraw Hill, New York, 1962.

Wheeler, J.O. : Economic Geography, John Willey, New York, 1995.

Zimmermann, E.W. : World Resources and Industries, Harper and Co., New York.

Political Geography

- Alexander, I.M. : World Political Patterns, John Murray and Co., London, 1966.
- Bownman, I. : The New World Problems in Political Geography, World Book Co., New York.
- De Blij H.J. and Glassner, Martin :: Systematic Political Geography, John Willey, New York, 1968.
- Deshpande, C.D. : India - A Regional Interpretation, Northern Book Centre, New Delhi, 1992.
- Dikshit, R.D. : Political Geography - A Contemporary Perspective, Tata McGraw Hill Publishing Co. Ltd., New Delhi, 1982.
- East, W.G. and Spate, O.H.K. : The Changing Map of Asia, Methuen, London, 1966.
- Hartshorne, R. : The Functional Approach in Political Geography, A.A.A.G. Vol. 40, 1950.
- Moodie, A.E. : Geography Behind Politics, Hutchinson University Library, London, Latest edition.
- Pounds, N.J.G. : Political Geography, McGraw Hill, New York, 1972.
- Prescott, J.R.V. : The Geography of Frontiers and Boundaries, Aldine, Chicago.
- Spykman, N.J. : The Geography of Peace, Harcourt Brace, New York, 1944.
- Sukhwai, B.L. : India - A Political Geography, Allied Publishers, New Delhi.
- Taylor, Peter : Political Geography, Longman, London, 1985.
- Valkenburg, S.V. & Stoz, C.L. : Elements of Political Geography, 2nd ed., Prentice Hall of India, New Delhi, 1963.
- Weigert, W.H. : Principles of Political Geography, Appleton Century Croys, Inc. New York, 1957.

Social Geography

- Ahmad, Aijazuddin : Social Geography, Rawat Publication, New Delhi, 1999.
- De Blij, H.D. : Human Geography, John Wiley and Son, New York.
- Dreze Jean, Amartya Sen : Economic Development and Social Opportunity, Oxford University Press, New Delhi, 1996.
- Dubey, S.C. : Indian Society, National Book Trust, New Delhi, 1991.
- Gregory, D. and J. Larry (eds.) : Social Relations and Spatial Structures, McMillan, 1985.
- Haq. Mahbulul : Reflections on Human Development, Oxford University Press, New Dehi.
- Smith, David : Geography: A Welfare Approach, Edward Arnold, London, 1977.
- Sopher, David: An Exploration of India, Cornell University Press, 1980.

Cultural Geography

- Broek, J.C. and Webb, J.W. : A Geography of Mankind, McGraw Hill, New York, 1978.
- Crang, Mike : Cultural Geography, Routledge Publications, London, 1998.
- Harmandorf : Tribes of India : The Struggle of Survival, Oxford University Press, Delhi, 1989.
- Hazra (ed.) : Dimensions in Human Geography, Rawat Publications, Jaipur, 1997.
- Hutchinson, and Smith, D. : Ethnicity, Oxford University Press, Oxford, 1996.
- Jordon, & Lester, G. : The Human Mosaic, Harpar & Row, New York, 1979.
- Massey, D. & Jess, P. : A Place in the World : Places, Cultures and Globalization, Oxford University, New York, 1995.

- Massey, et al. (ed.) : Human Geography Today, Polity Press, Cambridge, 1999.
- Mukherjee, A.B. and Aijazuddin, A. : India - Culture, Society and Economy, Inter-India Publication, New Delhi, 1985.
- Schwartzberg, J.E. : Historical Atlas of South Asia, University of Chicago, 1978.
- Singh, A.K. : Approaches to Tribal Development, Swarup and Sona, New Delhi, 1994.
- Sopher, D.E. : Exploration of India : Geographical Perspectives on Society & Culture, Longman, London, 1980.
- Steve, P. and Michael, K. (ed.) : Places and the Politics of Identify, Routledge, London, 1993.

Regional Planning

- Abler, R. et al. : Spatial Organization : The Geographer's View of the World, Prentice Hall, Englewood Cliffs, N.J., 1971.
- Bhat, L.S. : Regional Planning in India, Statistical Publishing Society, Calcutta, 1973.
- Bhat, L.S. et al. : Micro-Level Planning : A Case Study of Karnal Area, Haryana, K.B. Publications, New Delhi, 1976.
- Chorley, R.J. and Hagget, P. : Models in Geography, Methuen, London, 1967.
- Christaller, W. : Central Places in Southern Germany, Translated by C.W. Baskin, Prentice Hall, Englewood Cliffs, New Jersey, 1966.
- Friedmann, J. and Alonso, W. : Regional Development and Planning - A Reader, M.I.T. Press, Cambridge, Mass, 1967.
- Friedmann, J. and Alonso, W. : Regional Development Policy - A Case Study of Venezuela, M.I.T. Press Cambridge, Mass, 1966.
- Glikson, Arthur : Regional Planning and Development, Netherlands Universities Foundation for International Co-operation, London, 1955.
- Gosal, G.S. and Krishan, G. : Regional Disparities in Levels of Socio-Economic Development in Punjab, Vishal Publications, Kurukshetra, 1984.
- Government of India, Planning Commission : Third Five Year Plan, Chapter on Regional Imbalances in Development, New Delhi, 1961.
- Johnson, E.A.J. : The Organisation of Space in Developing Countries, Harvard University Press, Cambridge, 1970.
- Kuklinski, A.R. (ed.) : Growth Poles and Growth Centres in Regional Planning, Mouton, The Hague, 1972.
- Kundu, A. and Raza, Moonis : Indian Economy - The Regional Dimension, Spectrum Publishers, New Delhi, 1982.
- Losch, A. : The Economics of Location, University Press, Yale, New Have, 1954.
- Mahesh Chand, Puri, V.K. : Regional Planning in India, Allied Publishers Ltd., New Delhi, 1995.
- Mishra, R.P. et al. : Multi-level Planning, Heritage Publishers, Delhi, 1980.
- Misra, R.P. : Regional Planning : Concepts, Techniques and Policies, University of Mysore, Mysore, 1969.

- Misra, R.P. and Others (ed.) : Regional Development Planning in India - A Strategy, Institute of Development Studies, Mysore, 1974.
- Mitra, A. : Levels of Regional Development, Census of India, Vol. I, Part IA(I) and (II), New Delhi, 1965.
- Myrdal, G. : Economic Theory and Under Development Regions, Gerald Duckworth, London, 1957.
- Raza Moonis (ed.) : Regional Development, Heritage Publishers, Delhi, 1988.
- Richardson, H.W. : Regional Economics, Weidenfeld and Nicolson, London, 1969.
- Sundaram, K.V. (ed.) : Geography and Planning - Essays in Honour of V.L.S. Prakasa Rao, Concept Publishing Co., New Delhi, 1985.
- Tarlok Singh : India's Development Experience, McMillan, New Delhi, India, 1974.

Geography of India

- Champion, H.G. : A Preliminary Survey of Forest Types of India and Burma, Indian Forest Record, New Series, Silviculture, Vol. I, Delhi, 1936.
- Chatterji, S.B. : Climatology of India, Calcutta University, Calcutta.
- Choudhary, M.R. : Indian Industries - Development and Location.
- Deshpande C.D.: India-A Regional Interpretation, Northern Book Centre, New Delhi, 1992.
- Dreze, Jean and Amartya Sen (ed.) : India : Economic Development and Social Opportunity, Oxford University Press, New Delhi, 1996.
- Farmer, B.H. : An Introduction to South Asia. Methuen, London, 1983.
- Galyna and Sengupta : Economic Regions and Regionalisation in India, 1968.
- Govt. of India : Five Year Plans of India
- Govt. of India : India – Reference Annual, 2001, Pub. Div. New Delhi, 2001
- Govt. of India : National Atlas of India, NATMO Publication, Calcutta.
- Govt. of India : The Gazetteer of India, Vol. I & III, Publication Division, New Delhi, 1965.
- Govt. of India: National Atlas of India, NATMO Publication, Calcutta.
- Govt. of India: The Gazetteer of India. Vol. I & III Publication Division, New Delhi, 1965.
- India Year Book (Latest Edition) : Publication Division, Delhi.
- Irrigation Atlas of India.
- Khular, D.R. : Geography of India
- Kumar, L.S.S. and Others : Agriculture in India Vol. I & II, Asia Publishing House, Bombay.
- Kundu, A. Raza Moonis : Indian Economy - The Regional Dimension, Spectrum Publishers, New Delhi, 1982.
- Learmonth, AT. A. et.al. (ed.) : Man and Land of South Asia Concept, New Delhi.
- Misra, V.C. : Geography of Rajasthan, National Book Trust, New Delhi, 1967.
- Mitra, A.: Levels of Regional Development India Census of India, Vol. I, Part I-A(i) and (ii) New Delhi, 1967.
- Puri, G.S. : Indian Forest Ecology, Oxford Book Stationery Co., 1960.
- Routray, J.K.: Geography of Regional Disparity Asian Institute of Technology, Bangkok, 1993.

- S.P. Roy Choudhary : Land and Soil, National Book Trust, New Delhi.
- Shafi, M: Geography of South Asia, McMillan & Co., Calcutta, 2000.
- Sharma, T.C. and Coutino, O. : Economic and Commercial Geography of India, Vikas Publishing House, New Delhi, 1993.
- Singh, R.L. (ed.): India: A Regional Geography. National Geographical Society. India, Varanasi, 1971.
- Singh, R.L. : India - A Regional Geography, N.G.S.I., Varanasi, 1971.
- Spate, O.H.K. and Learmonth, A.T.A. : India and Pakistan - Land, People and Economy, Methuen & Co., London, 1967.
- Spate, O.H.K. and Learmonth, A.T.A.; India and Pakistan - Land, People and Economy Methuen & Co., London, 1967.
- Tiwari, R.C. : Geography of India.
- Valdiya, K.S.: Dynamic Himalaya, University Press, Hyderabad, 1998.
- Wadia, D.N.: Geology of India. McMillan & Co., London, 1967.

Cartography

- American Society of Photogrammetry : Manual of Remote Sensing, ASP, Falls Church, V.A., 1983, Vol. I, II.
- Barrett, E.C. and L.E. Curtis : Fundamentals of Remote Sensing and Air Photo Interpretation, Mcmillan, New York, 1992.
- Burrough, P.A. : Principles of Geographic Information Systems for Land Resource Assessment, Oxford University Press, New York, 1986.
- Compbell, J. : Introduction to Remote Sensing, Guilford, New York, 1989.
- Curran, Paul J. : Principles of Remote Sensing, Longman, London, 1985.
- Gautam, N.C. : SPGU. Techology of Geography, N.R.S.A., Hyderabad.
- Gregory S : Statistical Methods and the Geographer. Longman S. London, 1963 geography.
- Hord, R.M. : Digital image processing of remotely sensed data, Academic, New York, 1989.
- Khan, Z.A.: Text Book of Practical Geography Concept, New Delhi 1998.
- Lawarence, G.R.R: Cartographic methods, Methuen, London, 1968.
- Luder, D. : Aerial Photography Interpretation : Principles and Application, McGraw Hill, New York, 1959.
- Mark, S. Monmonier : Computer Assisted Cartography, Prentice Hall, Englewood Cliff, New Jersey, 1982.
- Monkhouse, F.J. & Wilkinson, H.R.: Maps and Diagrams. Methuen, London, 1994.
- Pal, S.K. Statistics for geoscientists - Techniques and Applications, Concept, New Delhi, 1998.
- Pratt, W.K. : Digital Image Processing, Wiley, New York, 1978.
- Rao, D.P. (eds.) : Remote Sensing for Earth Resources, Association of Exploration geophysicist, Hyderabad, 1998.
- Sarkar, A.K.: Practical Geography- A Systematic Approach Orient Longman, Calcutta, 1997.
- Singh, R.L.-.Elements of Practical Geography, Kalyani Pub., New Delhi.
- Singh, S. : Remote Sensing Technology, SA Publication, Jodhpur.

Star, J. and Estes, J. : Geographic Information Systems : An Introduction, Prentice Hall, Englewood
Cliff, New Jersey, 1994.

Steers, J.A.: Map Projections. University of London Press, London.

Thomas M. Lillesand and Ralph W. Kefer : Remote Sensing and Image Interpretation, John Wiley &
Sons, New York, 1994.

Wolf, Paul, K. : Elements of Photogrammetry, McGraw Hill Book Co.

Statistical Geography

Gregory S. : Statistical Methods and the Geographer, Longman, London, 1978.

Growzon & Cowden : Applied General Statistics, Prentice Hall.

Hagget, P. : Locational Analysis in Human Geographical Studies, Sanjay Enterprises, New Delhi.

John Silk : Statistical Concepts in Geography, George Allen and Unwin, London.

Johnston, R.J. : Multivariate Statistical Analysis in Geography, Longman, London, 1973.

King T.J. : Statistical Analysis in Geography, Prentice Hall.

Mahmood, A.: Statistical methods in Geographical Studies, Rajesh Publication, New Delhi, 1977.