

## **SYLLABUS-I Semester,B.A. Geography, Physical Basis of Geography**

### **Unit I**

An introduction of geography, classification of geography, the nature and scope of Physical Geography. Interrelation of Physical Geography with other branches of earth sciences. Origin of the earth : important theories-Nebular, Tidal, planetesimal, Supernova, Ottoschmid, Rocks: origin and classification;

### **Unit II**

Interior of the earth; Wegner's theory of Continental Drift; Plate Tectonics. Earth movements- Faults and folds, origin of mountains and their types, origin of mountains and their types, plateaus and plains.

### **Unit III**

Isostasy, earthquakes and volcanoes. Rock-types, origin and composition of rocks; Gradational processes: Denudation, weathering and erosion; formation of regolith and soils. Geomorphic agents and processes: mass wasting. Evolution of landforms, concept of cycles of erosion, views of Davis and Penck, interruptions of cycles of erosion

### **Unit IV**

Theories of origin of ocean basin (Tetrahedral); Physical properties of sea water: temperature and salinity; Ocean currents; Tides and Coral reefs, types and theories of origin of corals.

### **Unit-V**

Fluvial, Arid, Glacial, Karst and Coastal landforms. Application of Geomorphology to human activities: settlements, transports, land use, mining, environmental hazards and resource evaluation.

### **Books Recommended**

1. Barry, R. G. and Chorley, R. J. (1998): Atmosphere, Weather and Climate. Routledge, London.
2. Bryant, H. Richard (2001): Physical Geography Made Simple, Rupa and Company. New Delhi
3. Bunnett, R.B. (2003): Physical Geography in Diagrams, Fourth GCSE edition, Pearson Education (Singapore) Private Ltd.
4. Garrison, T. (1998): Oceanography, Wordsworth Company., Belmont.
5. Lake, P. (1979): Physical Geography (English and Hindi editions), Cambridge University Press, Cambridge.
6. Leong Goh Cheng (2003): Certificate Physical and Human Geography, Oxford University Press, New Delhi.
7. Monkhouse, F.J. (1979): Physical Geography. Methuen, London
8. Singh, S. (2003): Physical Geography. (English and Hindi editions.). Prayag Pustak Bhawan, Allahabad;
9. Trewartha, G.T., Robinson, A.H., Hammond, E.H., and Horn, A.T. (1976/1990): Fundamentals of Physical Geography, 3rd edition. MacGraw-Hill, New York.
10. Singh, M.B. (2001): Bhoutik Bhugol, Tara Book Agency, Varanasi
11. Strahler, A.N. and Stahler, A.M. (1992): Modern Physical Geography. John Wiley and Sons, New York.
12. Wooldridge, S.W. and Morgan, R.S. (1939): The Physical Basis of Geography- An Outline of Geomorphology. Longman, London. Recent edition and Reprint.

## **SYLLABUS-II Semester, B.A. Geography, Human Geography**

### **Unit I**

Meaning, nature and scope of human geography; Concepts of human geography; Man-environment relationships: determinism, possibilism and probabilism, and environmentalism.

### **Unit II**

Evolution of man; Classification of races; Characteristics of races and their broad distribution; Human adaptation to environment: Eskimo, Masai and Bushman; Primitive people of India: Tharu, Naga and Bhil.

### **Unit III**

Growth of population; Distribution of population; - world distribution pattern Physical, economic and social factors influencing spatial distribution. Major human agglomerations; concepts of over - under and optimum population; Population theories, world population problems and policies,

### **Unit IV**

Types of Migration; demographic attributes; Causes and consequences of migration; Rural settlements: characteristics, types and regional pattern; India and rest of world context; Environmental issues in rural settlements.

### **Unit-V**

Urban settlements: evolution and classification; Hierarchy of urban settlements; Trends of Urbanization, Functional classification of towns; Sphere of urban influence; Rural - urban fringe; Satellite towns, Urban sprawl; Slums and associated problems; town planning; Problems of urbanization and remedies. Sustainable development of cities

#### **Books Recommended**

1. Chisholm, M. (1985): Human Geography, 2nd edition, Penguin Books, London.
2. de Blij, H.J.(1996): Human Geography: Culture, Society and Space,. 2nd edition. John Wiley and Sons, New York,
3. Fellman, J. D., Arthur, G., Judith, G., Hopkins, J. and Dan, S. (2007): Human Geography: Landscapes of Human Activities. McGraw-Hill, New York. 10<sup>th</sup> edition.
4. Haggett, P. (2004): Geography: A Modern Synthesis. 8th edition, Harper and Row, New York.
5. Hussain, M. (1994): Human Geography, Rawat Publications, Jaipur.
6. Johnston, R. J., Gregory, D., Pratt, G. and Watts, M. (2009): The Dictionary of Human Geography. 5th edition, Basil Blackwell Publishers, Oxford.
7. Kaushik, S.D. and Sharma, A.K. (1996): Principles of Human Geography (in Hindi), Rastogi Publication, Meerut.
8. Norton, W. (2008): Human Geography, Oxford University Press, New York. 5<sup>th</sup> ed.

**SYLLABUS-III Semester, B.A. Geography,  
Physical Geography (Climatology and Oceanography)**

**Unit-I**

Meaning and scope of climatology; Atmosphere: Composition and structure; Insolation: determinants and distribution; Horizontal and vertical distribution of temperature, inversion of temperature Controlling factors and Distribution; Processes of heating and cooling of the atmosphere.

**Unit-II**

Atmosphere Pressure, Pressure belts and its shifting, Atmosphere circulation, Planetary Winds, Seasonal and local winds. Atmosphere humidity – absolute, and relative and specific, condensation and its forms, precipitation, Types of Rain fall, distribution of rain fall, Monsoon, Jet Stream and their significance with reference to India

**Unit-III**

Air masses, Frontiers – origin, classification an effect on weather, Tropical and Temperate cyclones – theories of origin and related seasonal conditions. Classification of world climate – Koppen and Thornthwaite.

**Unit-IV**

Hydrosphere: Hypsographic curve, Relief of Pacific, Atlantic and Indian Oceans. Ocean deposits, Coral Reefs, and theories regarding their origin.

**Unit-V**

Marine Temperature , Salinity , Movements of oceanic water , Waves, Currents . Tides and related theories Ocean as a source of future resources.

Books Recommended

1. Barry, R.G. and Carleton, M. (2001): Synoptic and Dynamic Climatology, Routledge, London.
2. Chorley, R.J. (2001): Atmosphere, Weather and Climate. Methuen, London.
3. Critchfield, H.J. (2002): General Climatology. Prentice-Hall of India, New Delhi..
4. Finch, J. C. and Trewartha, G. T.: Elements of Weather and Climate. Prentice-Hall, London.
5. Kendrew, W.C. (1998): Climatology. Edward Arnold, London. 5<sup>th</sup> edition.
6. Lal, D.S.(1986): Climatology. Chaitanya Publications, Allahabad.
7. Oliver, J.E. and Hidore, J.J. (2003): Climatology: An Atmospheric Science, Pearson Education Private Ltd, Patparganj, Delhi.
8. Robinson, P. J. and Henderson, S. (1999): Contemporary Climatology, 2nd edition, Pearson Education Ltd., Harlow, UK.
9. Singh, M.B. (1998): Jalvayu Avam Samudra Vigyan. Tara Book Agency, Varanasi.

## **SYLLABUS-IV Semester, B.A. Geography, Economic Geography**

### **Unit I**

Meaning and approaches to economic geography; Main concepts of economic geography; Relation of Economic Geography with other disciplines. Geography of primary production – Agriculture- Wheat, rice , sugarcane , maize , jute , tea , coffee , cotton and rubber.

### **Unit II**

Natural resources: soil, forest and water; Mineral resources: iron ore and bauxite; Power resources: coal and petroleum; Principal crops: wheat, rice and cotton.

### **Unit III**

Agricultural regions of the world (Derwent Whittlesey); Theory of agricultural location (Von Thunen); Theory of industrial location (Weber); Major industries: iron and steel, and cotton textiles, sugar, paper in fertilizer and Cement industry.

### **Unit-IV**

Trade- World Trade Policy, World trade , Pattern of trade , wheat , rice , cotton , coffee, iron ore coal and petroleum. Changes in world economy in context of Globalization and liberalization

### **Unit IV**

World transportation: major trans-continental railways, and sea routes; WTO and International trade: patterns and trends; Major trade blocs: EEC, ASEAN; Effect of globalization on developing countries.

### **Books Recommended**

1. Alexander, J. W. (1988): Economic Geography. Prentice-Hall, New Delhi,.
2. Bryson, J., Henry, N., Keeble, D. and Martin, R. (eds.) (1999): The Economic Geography Reader: Producing and Consuming Global Capitalism. John Wiley and Sons, Inc, New York.
3. Clark, G. L., Gertler, M. S. and Feldman, M. P. (eds.) (2000): The Oxford Handbook of Economic Geography. Oxford University Press, USA.
4. Coe, N. (2007): Economic Geography: A Contemporary Introduction. Blackwell Publishers, Inc., Massachusetts.
5. Gautam, A. (2006): Aarthik Bhugol Ke Mool Tattava, Sharda Pustak Bhawan, Allahabad.
6. Guha, J. S. and Chattoraj, P.R. (2002): A New Approach to Economic Geography: A Study of Resources. The World Press Private Limited, Kolkata.
7. Hanink, D. M. (1997): Principles and Applications of Economic Geography: Economy, Policy, Environment. John Wiley and Sons, Inc, New York.
8. Hartshorne, T. A. and Alexander, J. W. (1988): Economic Geography (3rd revised edition) Englewood

## **SYLLABUS-V Semester, B.A. Geography, Geography of India**

### **Unit I**

India - Locational Characteristics : Physical features; structure relief; physiography; Drainage system. Climate and climatic regions; Soil and vegetation - origin of Monsoon

### **Unit II**

Natural Recourses - Water Resource, Mineral Resource - Copper, Iron and Bauxite. Forest

Recourses - Types and Distribution - Industrial Development- Iron and Steel Industry; cotton

Industry its location and distribution.

### **Unit III**

Indian Agriculture : characteristics Crops (rice, wheat, cotton, sugarcane, and tea); Agricultural

regions; Green revolution and its consequences, agricultural regionalization; agro-climatic zones;

agro- ecological regions.

### **Unit IV**

Power Recourse - Coal, Petroleum, Natural gas. Non conventional sources of energy,

Multipurpose projects: Damodar Valley, and Bhakhra Nangal; Irrigation;

### **Unit-V**

International Trade - contemporary issues in relation to India; Regional disparity; impact of development on environment and Globalization.

Books Recommended

1. Chauhan, P.R. and Prasad, M. (2003): Bharat Ka Vrihad Bhugol, Vasundhara Prakashan, Gorakhpur.
2. Farmer, B.H. (1983): An Introduction to South Asia. Methuen, London
3. Gautam, A. (2006): Advanced Geography of India, Sharda Pustak Bhawan, Allahabad
4. Johnson, B.L.C. (1963): Development in South Asia. Penguin Books, Harmondsworth
5. Krishnan, M.S. (1982): Geology of India and Burma, CAS Publishers and Distributors, Delhi.
6. Khullar, D.R. ( 2007): India: A Comprehensive Geography, Kalyani Publishers, New Delhi
7. Nag, P. and Gupta, S. S. (1992): Geography of India, Concept Publishing Company, New Delhi.
8. Rao, B.P. ( 2007): Bharat kee Bhaugolik Sameeksha, Vasundhara Prakashan, Gorakhpur.
9. Sharma, T.C. and Coutinho, O. (2003): Economic and Commercial Geography of India, Vikas Publishing House Private Ltd. New Delhi.
10. Singh , J. (2003): India: A Comprehensive Systematic Geography. Gyanodaya Prakashan, Gorakhpur
11. Singh, J. (2001): Bharat: Bhougolik Aadhar Avam Ayam, Gyanodaya Prakashan, Gorakhpur.

## **SYLLABUS-VI Semester, B.A. Geography, Regional Development and Planning**

### **Unit I.**

Meaning, concepts and scope of regional development and planning;  
Approaches to Regional  
Development; Approaches to Regional Planning; Theories of regional  
development (Myrdal and  
Perroux).

### **Unit II**

Evolution of Regional Planning in India; Concepts and types of regions;  
Schemes of  
regionalization; Macro micro planning regions of India; Multi-level planning;  
Participatory  
planning.

### **Unit III**

Regional development in India: patterns and imbalances; Planning for  
regional development;  
Role of agriculture, industry and infrastructure (transport and power) in  
regional development.

### **Unit IV**

Area development and planning: National Capital Region; Local-level  
planning and Panchayati  
Raj; Planning for Eastern Uttar Pradesh and North-East India.

### **Unit V**

Assignment-based Seminar Respected Field or paper

#### **Books Recommended**

1. Bhat, L.S. (1972): Regional Planning in India, Indian Statistical Institute, Calcutta.
2. Bhat, L.S. (2003): Micro Planning: A Case Study of Karnal Area, KB Publications, New Delhi.
3. Chand, M. and Puri, V.K. (2004): Regional planning in India; Allied Publishers, New Delhi, reprint.
4. Chandana, R. C. (2005): Regional Development and Planning. Kalyani Publishers, New Delhi.
5. Dube, K.K. and Singh, M.B. (1986): Pradeshik Niyojan. Tara Book Agency, Varanasi.
6. Friedman, J. and Alonse, W. (eds.) (1968): Regional Development and Planning, M.I.T. Press, Cambridge-Massachusetts.
7. Gopalakrishnan, R. 1991. North-East India: Land, Economy and People. New Delhi: Har-Anand Publication.
8. Gopalakrishnan, R. 1990. Political Geography of North-East India. New Delhi: Har-Anand Publication.
9. Kuklinski, A.R. (ed.) (1975): Regional Development and Planning: International Perspectives, Sijthoff-Leyder.
10. Kuklinski, A.R. (1972): Growth Centres in Regional Planning. Mouton and Company, Paris.
11. Misra, R.P, Sundaram, K.V., and Prakasarao, V.L.S. (1976): Regional Development Planning in India, Vikas Publishers., New Delhi.
12. Misra, R.P. (1969): Regional Planning. University of Mysore, Mysore.

## **VI Semester, B.A. Geography, Elective Theory Paper-Political Geography**

### **Unit I**

Meaning, approaches, historical development, recent trends in political geography; geopolitics.

### **Unit II**

Nations, states and nation states; Frontiers and boundaries; Capital cities, core and periphery regions.

### **Unit III**

Geographical basis of international relations; Conflict resolution; Strategic locations, routes and raw material; Geostrategic regions of the world; Theories of Heartland and Rimland

### **Unit IV**

Geopolitical and geo-economic significance of:- Indian Ocean, West Asia and Central Asia;

Problems of nation building in India; Geopolitics of energy and resources.

### **Unit V**

Assignment-based Seminar Respected Field or paper

Books Recommended

1. Cohen, Samuel (1964): Geography and Politics in Divided World. Random House, New York.
2. De Blij, H. J. and Glassner, M. (1968): Systematic Political Geography. John Wiley and Sons, New York.
3. Dikshit, R.D. (1987): Political Geography and Geopolitics. Tata McGraw Hill, New Delhi.
4. Dikshit, R.D. (2000): Political Geography: A Contemporary Perspective. Prentice-Hall, New Delhi.
5. Siddiq, M. (1997): Indian in the Indian Ocean: A Geopolitical Study, Rawat Publications, Jaipur
6. Moddie, A.E. (1961): Geography Behind Politics. Hutchinson, London.
7. Pannikar, K.M. (1959): Geographical Factors in Indian History. 2 vols. Asia Publishing House, Bombay.
8. Percy, G. E. and Fifiield, R. (1948): World Political Geography, Thomas Y Crowell, New York
9. Pounds, N.J.G. (1972): Political Geography. McGraw Hill Publication., New York.
10. Short, John R. (1982): An Introduction to Political Geography. Routledge, London
11. Singh, T. D. (1988): Hind Mahasagar Avam Parimandaliya Rashtra: Ek Bhougolik Adhyayan, Tara Book Agency, Varanasi.
12. Sukhwil. B.L. (1987): Modern Political Geography of India. Sterling Publication, New Delhi.

## **VI Semester Geography, Elective Theory Paper-Industrial Geography**

### **Unit I**

Meaning and scope of industrial geography; Industrialization; Concept of industrial revolution with reference to Britain and India.

### **Unit II**

Factors of industrial location; Theories of industrial location: Weber, Hoover, Lösch and Smith.

### **Unit III**

Distribution, growth, production trends and problems of: iron and steel, cotton textile, and sugar industries; Industrial policies in India; Role of industries in regional development.

### **Unit IV**

Concept and methods of industrial regionalization; Major industrial regions of the world; Structure of major industrial complexes: Mid -Atlantic coastal region of USA, Ruhr Industrial region, Mumbai - Ahmedabad industrial region.

### **Unit V**

Assignment-based Seminar Respected Field or paper

Books Recommended

1. Alexanderson, C. (1967): Geography of Manufacturing. Prentice-Hall of India, New Delhi.
2. Hoover, E. M. (1948): Location and Space Economy. McGraw Hill, New York.
3. Lodha, R.M.(2005): Audyogika Bhoogol, Rajasthan Hindi Granth Academy, Jaipur
4. Miller, E. (1962): A Geography of Manufacturing. Prentice-Hall, Englewood Cliffs, New Jersey.
5. Riley, R. C. (1973): Industrial Geography, Chatto and Windus Ltd. London.
6. Singh, M. B. (1990): New Perspectives in Industrial Geography. Lotus Publication, Varanasi.
7. Singh, M. B. (1988): Industrial Geography. Lotus Publication, Varanasi