

**SARDAR PATEL UNIVERSITY,  
Vallabh Vidyanagar.  
Programme & Subject : B.A. Geography (CBCS)  
SEMESTER-V**

SYLLABUS FROM THE ACADEMIC SESSION 2020-21

<b>Paper Code: UA05CGEO21</b>		<b>Total Credit:3</b>
<b>Title of Paper : Physical Geography of India.</b>		
<b>Unit</b>	<b>Description in Detail</b>	<b>Weight age (%)</b>
<b>1.</b>	Location, Area, Size ,Political setup - India in the context of the world –Relationship of India with neighboring countries – Physical and Cultural diversity of India.	<b>25%</b>
<b>2.</b>	Main Physiographical Division of India – structure, relief and its Significance, Drainage pattern - Major river systems of India and its significance, Multipurpose and hydro power projects in India.	<b>25%</b>
<b>3.</b>	Mechanism of Indian monsoons and rainfall pattern – Factors affecting the Indian climate – Climatic regions- Impact of Indian climate on economic activities - Floods and droughts in India.	<b>25%</b>
<b>4.</b>	Major soil types, Classification and their regional distribution – soil erosion and degradation in India – Conservation of soil resource in India. Natural vegetation – types – distribution - Major forest products and its economic significance. Wild life resources and their conservation. Problems of deforestation and conservation of Natural vegetation – Social forestry – agro forestry.	<b>25%</b>
<b>Readings</b>	<ol style="list-style-type: none"> <li>1. Deshpande C. D., 1992: <i>India: A Regional Interpretation</i>, ICSSR, and New Delhi.</li> <li>2. Johnson, B. L. C., ed. 2001. <i>Geographical Dictionary of India</i>. Vision Books, New Delhi.</li> <li>3. Sdyasuk Galina and P Sengupta (1967): <i>Economic Regionalisation of India</i>, Census of India</li> <li>4. Sharma, T. C. 2003: <i>India - Economic and Commercial Geography</i>. Vikas Publ., New Delhi.</li> <li>5. Singh R. L., 1971: <i>India: A Regional Geography</i>, National Geographical Society of India.</li> <li>6. Singh, Jagdish 2003: <i>India - A Comprehensive &amp; Systematic Geography</i>, Gyanodaya Prakashan, Gorakhpur.</li> <li>7. Pathak, Y.P. &amp; Rangiya , J .(2018): <i>Bharat Ni Bhugol</i> ( In Gujarati), University Granth Nirman Board, Ahmedabad</li> </ol>	

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SYLLABUS FROM THE ACADEMIC SESSION 2020-21

<b>Paper Code: UA05CGEO22</b>		<b>Total Credit:3</b>
<b>Title of Paper : Human Geography</b>		
<b>Unit</b>	<b>Description in Detail</b>	<b>Weight age (%)</b>
<b>1.</b>	Nature & Scope of Human Geography; Branches of Human Geography; Concept of Man Environment Relationship: Determinism, Possibilism & Neo- Determinism; Division of Mankind into Racial Groups: Characteristics & Distribution.	<b>25%</b>
<b>2.</b>	Human Adaptation to the Environment: Eskimo, Bushman, Masai, Naga & Tharu; Hazards & Disaster: Origin, Types, Causes, Impact, And Mitigation & Management.	<b>25%</b>
<b>3.</b>	Growth of Population; Distribution of Population; World Distribution Pattern: Physical, Economic & Social Factors; Migration: Internal & International; Trends of Urbanization.	<b>25%</b>
<b>4.</b>	Settlements: Types & Pattern; Rural and Urban Settlement in India & World; Rural Settlement & House Types in India; Cultural Regions of the World.	<b>25%</b>
<b>Readings</b>	<ol style="list-style-type: none"> <li>1. Chisholm, M. (1985): Human Geography, 2nd edition, Penguin Books, London.</li> <li>2. De Blij, H.J. (1996): Human Geography: Culture, Society and Space, 7<sup>th</sup> edition. John Wiley and Sons, New York,</li> <li>3. Fellman, J. D., Arthur, G., Judith, G., Hopkins, J. and Dan, S. (2007): Human Geography: Landscapes of Human Activities. McGraw-Hill, New York.</li> <li>4. Haggett, P. (2004): Geography: A Modern Synthesis. 8th edition, Harper and Row, New York.</li> <li>5. Husain, M. (1994): Human Geography, Rawat Publications, Jaipur.</li> <li>6. Johnston, R. J., Gregory, D., Pratt, G. and Watts, M. (2000): The Dictionary of Human Geography. 4th edition, Basil Blackwell Publishers, Oxford.</li> <li>7. Kaushik, S.D. and Sharma, A.K. (1996): Principles of Human Geography (in Hindi), Rastogi Publication, Meerut.</li> <li>8. Michael, C. M. (1997): Process and Change in Human Geography. Nelson, London.</li> <li>9. Norton, W. (1995): Human Geography, Oxford University Press, New York.</li> </ol>	

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SYLLABUS FROM THE ACADEMIC SESSION 2020-21

<b>Paper Code: UA05CGEO23</b>		<b>Total Credit:3</b>
<b>Title of Paper : Population Geography</b>		
<b>Unit</b>	<b>Description in Detail</b>	<b>Weight age (%)</b>
<b>1.</b>	Nature, Scope & Development of Population Geography; Source & Types of Population Data: Census, Sample Survey & Vital Registration System; Theories of Population: Classical & Modern.	<b>25%</b>
<b>2.</b>	World Population: Growth, Causes & Consequences; Factors Affecting Population Distribution; Migration Types, Determinants and Impacts.	<b>25%</b>
<b>3.</b>	Population Characteristics: fertility & Mortality; Age & Sex Structure; Occupational Structure; Human Resource Development, Urbanization.	<b>25%</b>
<b>4.</b>	Population Resource Region in India; Population Growth & Distribution in India; Density Types; Population Problems & Population Policy in India.	<b>25%</b>
<b>Readings</b>	<ol style="list-style-type: none"> <li>1. Bogue, D.J. (1969): <i>Principles in Demography</i>, John wiley, New York.</li> <li>2. Bose, Ashish et. all, (1974): <i>Population India's Development (1947-2000)</i>; Vikas Publication House, New Delhi.</li> <li>3. Census of India (1999): <i>India: A state Profile</i>.</li> <li>4. Garnier, B. J.,(1970) : <i>Geography of Population</i> , Longman , London.</li> <li>5. Kochhar, Rajesh,(2000) : <i>The vedic People : Their History and Geography</i>, Orient Longman Ltd. New Delhi.</li> <li>6. Mamoria , C.B.(1981): <i>India's Population Problems</i>, Kitab Mahal, New Delhi.</li> <li>7. Premi, M.K. (1991): <i>India's Population: heading Towards a Billion An Analysis of 1991 Census Provisional Results</i>, B.R Publishing Corporation, Delhi.</li> <li>8. Premi, M.K. and Das D.N. (2012): <i>Population of India 2011</i>, B.R Publishing Corporation, Delhi.</li> </ol>	

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SYLLABUS FROM THE ACADEMIC SESSION 2020-21

<b>Paper Code: UA05CGEO24</b>		<b>Total Credit:3</b>
<b>Title of Paper : Economic Geography</b>		
<b>Unit</b>	<b>Description in Detail</b>	<b>Weight age (%)</b>
<b>1.</b>	Meaning, Scope and Approaches to Economic Geography; Main Concepts of Economic Geography; Resource: Concept & Classification; Natural Resources: Soil, Forest & Water	<b>25%</b>
<b>2.</b>	Mineral Resources: Iron Ore & Bauxite; Power Resources: Coal, Petroleum & Hydro Electricity; Resource Conservation; Principal Crops: Wheat, Rice, Sugarcane & Tea.	<b>25%</b>
<b>3.</b>	Agricultural Regions of the World, Factors affecting to localization of industries Major Industries: Iron & Steel, Textiles, Petro - Chemical & Sugar; Industrial Regions of the World.	<b>25%</b>
<b>4.</b>	World Transportation: Major Trans-Continental Railways, Sea & Air Routes; International Trade, Effect of Globalization on Developing Countries.	<b>25%</b>
<b>Readings</b>	<ol style="list-style-type: none"> <li>1. Alexander, I. W. (1988): Economic Geography, Prentice-Hall, New Delhi,.</li> <li>2. Clark, G. L., Gertler, M. S. and Feldman, M. P. (eds.) (2000): The Oxford Handbook of Economic Geography. Oxford University Press, USA.</li> <li>3. Coe, N. (2007): Economic Geography: A Contemporary Introduction. Blackwell Publishers, Inc., Massachusetts.</li> <li>4. Gautam, A. (2006): Aarthik Bhugol Ke Mool Tattava, (in Hindi) Sharda Pustak Bhawan, Allahabad.</li> <li>5. Guha, J. S. and Chattoraj, P.R. (2002): A New Approach to Economic Geography: A Study of Resources. The World Press Private Limited, Kolkata.</li> <li>6. Hanink, D. M. (1997): Principles and Applications of Economic Geography: Economy, Policy, and Environment. John Wiley and Sons, Inc, New York.</li> <li>7. Hartshorne, T. A. and Alexander, J. W. (1988): Economic Geography (3rd revised edition) Englewood Cliff, New Jersey, Prentice Hall.</li> <li>8. Hudson, R. (2005): Economic Geographies: Circuits, Flows and Spaces. Sage Publications, London.</li> <li>9. Jones, C. F. and Darkenwald, D.O. (1975): Economic Geography, Macmillan, New York.</li> <li>10. Knowles, R, Wareing, J. (2000): Economic and Social Geography Made Simple, Rupa and Company, New Delhi.</li> </ol>	

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SYLLABUS FROM THE ACADEMIC SESSION 2020-21

<b>Paper Code: UA05CGEO25</b>		<b>Total Credit:3</b>
<b>Title of Paper : Agriculture Geography</b>		
<b>Unit</b>	<b>Description in Detail</b>	<b>Weight age (%)</b>
<b>1.</b>	Nature, scope, significance and development of agricultural geography. Approaches to the study of agricultural geography, Importance of Study of Agricultural Geography.	<b>25%</b>
<b>2.</b>	Factors affecting to Agricultural development- Such as Physical, economic, social, political and technological. Types of Agriculture, Cropping pattern and types of crops, degree of commercialisation, diversification and specialization, efficiency and productivity, crop combination regions and agricultural development. Green Revolution - its impact and consequences.	<b>25%</b>
<b>3.</b>	Contemporary Issues : Food, nutrition and hunger, food security, drought and food security, food aid programmes; environmental degradation, role of irrigation, fertilizers, insecticides and pesticides, use of technology in agriculture. Employment in the agricultural sector: landless labourers, woman, and children, occupational health and agricultural activities.	<b>25%</b>
<b>4.</b>	Agricultural in India- Land use and shifting cropping pattern, Agro-climatic regions, Regional pattern of productivity in India. Green Revolution, White Revolution, MGNREGA and rural employment, Food deficit and food surplus regions; nutritional index. Specific problems in Indian agriculture and their management and planning. Agricultural Policy in India.	<b>25%</b>
<b>Readings</b>	<ol style="list-style-type: none"> <li>1. Bayliss Smith, T.P. (1987): The Ecology of Agricultural Systems. Cambridge University Press, London.</li> <li>2. B.J.L. et. al. (1976): The Geography of Economic Systems. Prentice Hall, New York.</li> <li>3. Gautam Alka (2012) : Agricultural Geography, Sharda Pustak Bhawan, Allahabad.</li> <li>4. Dyson, T.(1996): Population and Food - Global Trends and Future Prospects. Routledge, London.</li> <li>5. Gregor, H.P.(1970): Geography of Agriculture. Prentice Hall, New York.</li> <li>6. Grigg, D.B.(1974): The Agricultural Systems of the World. Cambridge University Press, New York.</li> </ol>	

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<b>Paper Code: UA05CGEO26</b>		<b>Total Credit:3</b>
<b>Title of Paper : Cartographic Techniques (Theory)</b>		
<b>Unit</b>	<b>Description in Detail</b>	<b>Weight age (%)</b>
<b>1.</b>	TYPES OF DATA: Data collection – Need – Types of data – Primary – Methods of collection - Secondary data – Published and unpublished sources – problems.	<b>25%</b>
<b>2.</b>	Statistical Methods (Use of simple calculator is allowed): MEASURES OF CENTRAL TENDENCY. • Mean • Median • Mode MEASURES OF DESPERSSION • Mean Deviation • Standard Deviation • Quartile Deviation	<b>25%</b>
<b>3.</b>	SURVEYING: Meaning, Definition and purpose of Surveying, Methods of surveying Triangulation and Traversing. Various Methods of deciding North direction True, Magnetic and Grid North. Methods and instruments of Chain survey – Plain Table Survey- Prismatic Compass Survey.	<b>25%</b>
<b>4.</b>	Map Projection: Definition and need of Map Projection Classification of map projection based on method of construction and developable surfaces used 5 Elements of Map Reading: Introduction to Survey of India (S.I.O.) Toposheets - Indexing of Toposheets – Method of Interpretation Physical and Cultural Information and Conventional signs and symbols of S.O.I. Toposheets.	<b>25%</b>
<b>Readings</b>	<ol style="list-style-type: none"> <li>1. Gupta K.K. and Tyagi, V. C., 1992: <i>Working with Map</i>, Survey of India, DST, New Delhi.</li> <li>2. Mishra R.P. and Ramesh, A., 1989: <i>Fundamentals of Cartography</i>, Concept, New Delhi. Robinson A. H., 2009: <i>Elements of Cartography</i>, John Wiley and Sons, New York.</li> <li>3. Sharma J. P., 2010: <i>Prayogic Bhugol</i>, Rastogi Publishers, Meerut.</li> <li>4. Singh R. L. and Singh R. P. B., 1999: <i>Elements of Practical Geography</i>, Kalyani Publishers, New Delhi .</li> <li>5. Sarkar, A. (2015) <i>Practical geography: A systematic approach</i>. Orient Black Swan Private Ltd., NewDelhi</li> <li>6. Dalal V.G. <i>Prayogik Bhugol Part1,2 – Gujarati</i>, University Granth Nirman Board, Ahmedabad (1<sup>st</sup> Edition)</li> </ol>	

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SYLLABUS FROM THE ACADEMIC SESSION 2020-21

<b>Paper Code: UA05DGEO21</b>		<b>Total Credit:3</b>
<b>Title of Paper : Natural Resources and Environmental Management</b>		
<b>Unit</b>	<b>Description in Detail</b>	<b>Weight age (%)</b>
<b>1.</b>	Meaning and Concept of Resource, Classification of natural resources, Distribution and uses, inter relationship among different types of natural resources, renewable and non-renewable energy sources, Social and economic aspects of resource management.	<b>25%</b>
<b>2.</b>	Forest resources: major forest types and distribution, use and over-exploitation, deforestation, Government policies of forest and wild life conservation.	<b>25%</b>
<b>3.</b>	Land and water resources: Types of land, land use patterns, land degradation, soil erosion and desertification, world food problems, effects of modern agriculture, fertilizer-pesticide problems, wet land ecology and management. Sources of Water: Rain, surface water and ground water, floods, drought, water ecology and management.	<b>25%</b>
<b>4.</b>	Impacts of over exploitation of natural resources, resource management and History of resource management, Approaches in resource management, ecological approaches, economic approaches, and ethnological approaches.	<b>25%</b>
<b>Readings</b>	<ol style="list-style-type: none"> <li>1. Savindra Singh, (2000): Environmental Geography. Prayag Pustak Bhavan, Allahabad.</li> <li>2. Alexander, D. (1993): Natural Disasters. UCL Press Ltd, London.</li> <li>3. P.C Sinha ; Introduction to Disaster managements; Anmol Publication Pvt. Ltd., New Delhi</li> <li>4. Mitchell, B. 1997 : <i>Resources and Environment Management</i>, Addison Wesley London Ltd., Harlow.</li> <li>5. Negi, B.S. (1997) Geography of Resources, Rastogi Pub., Meerut.</li> </ol>	