

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

SYLLABUS FROM THE ACADEMIC SESSION 2020-21

<b>Paper Code: UA06CGEO31</b>		<b>Total Credit:3</b>
<b>Title of Paper : Economic Geography of India</b>		
<b>Unit</b>	<b>Description in Detail</b>	<b>Weight age (%)</b>
<b>1.</b>	Geographical advantages of India and its contribution in Indian economy, Minerals and power resources - Ironore, manganese and bauxite - Coal, Petroleum, Natural Gas - Hydro, Thermal, Atomic power projects.	<b>25%</b>
<b>2.</b>	Significance of agriculture in Indian Economy - Salient features of Indian Agriculture -Problems of Indian Agriculture- Green Revolution, White revolution & Blue revolution	<b>25%</b>
<b>3.</b>	Industrial regions and Major industries of India-Location factors, development and distribution of iron, steel and cotton industries.	<b>25%</b>
<b>4.</b>	Racial and ethnic diversities - Major tribes – Language – Religion in India. Growth & distribution of population - Composition of population -Rural – Urban migration - Urbanization and related problems. Network of roads, railways, waterways, airways and pipelines: their complementary role in regional development - Growing importance of ports in national and foreign trade. Trade balance - Developments in communication technology.	<b>25%</b>
<b>Readings</b>	<ol style="list-style-type: none"> <li>1. Khullar D.R (2005): India, A Comprehensive geography. Kalyani Publishers, Ludhiana</li> <li>2. Gautam A (2006): Advanced Geography of India. Sharda Pustak Bhawan, Allahabad</li> <li>3. Sharma and Coutinho (1980) Economics and Commercial Geography of India, Vikas Publication, New Delhi</li> <li>4. Singh,R.L. (1976) Regional Geography of India, NGSI, BHU, Varanasi.</li> <li>5. Mamoria,C.B. (1995) Economic and Commercial Geography of India, Shiva Lal Agarwala &amp; Co., Agra.</li> <li>6. Alka Gautam (2009) : Geography of India, Sharda Publication, Allahabad.</li> </ol>	

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SYLLABUS FROM THE ACADEMIC SESSION 2020-21

<b>Paper Code: UA06CGEO32</b>		<b>Total Credit:3</b>
<b>Title of Paper : Geography of Transportation.</b>		
<b>Unit</b>	<b>Description in Detail</b>	<b>Weight age (%)</b>
<b>1.</b>	Meaning, Characteristics and Scope of Transportation Geography – Transportation as Tertiary activity – Approaches of Transportation Geography.-Importance of Transportation Geography.	<b>25%</b>
<b>2.</b>	Elements of Transportation - Geographical Factors affecting the Development of transportation: Physical –Cultural – Technological- government policy in development of transportation.	<b>25%</b>
<b>3.</b>	Mode of Transportation: Land - Road, Railway, Air ways and Pipelines, Regional density, Distribution and Economic significance of Transportation in India and world.	<b>25%</b>
<b>4.</b>	Water Ways: World’s major Inland Waterways and Sea Routes. Regional density and distribution of Air Transportation – Role of Indian Railway in Regional Development, Role of Technology in the Development of Transportation and Regional Development – Transportation and World trade.	<b>25%</b>
<b>Readings</b>	<ol style="list-style-type: none"> <li>1. Hurst, M.E.(ed.): Transportation Geography, McGraw-Hill, 1974.</li> <li>2. Hay, A.: Transport Economy, MacMillan, London, 1973.</li> <li>3. Hoyle, B.S.(ed.): Transport and Development, MacMillan, London, 1973</li> <li>4. Majid hussain : Human Geography, Rawat, Jaipur,1999</li> <li>5. Raza, M. and Agrawal Y.P. : Transport Geography of India, Concept. New Delhi, 1985.</li> <li>6. Robinson H &amp; Bamford C.G. : Geography of Transport, Macdonald &amp; Evans. London 1978.</li> <li>7. White H.P. and Senior, M.L. Transport Geography, Longman, London, 1983.</li> </ol>	

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SYLLABUS FROM THE ACADEMIC SESSION 2020-21

<b>Paper Code: UA06CGEO33</b>		<b>Total Credit:3</b>
<b>Title of Paper : Evolution of Geographical Thought</b>		
<b>Unit</b>	<b>Description in Detail</b>	<b>Weight age (%)</b>
<b>1.</b>	Definition, Scope and Content of Geography, Development of Geography in the Ancient and Mediaeval Periods (up to 19th Century) Development of Modern Scientific Geography in the 19th Century with particular reference to the Contributions of Humboldt and Ritter. development of Geography in the 20th Century (up to 1970)	<b>25%</b>
<b>2.</b>	German School French School American School Indian School (Their approaches, roles and Contributions in development of Geography)	<b>25%</b>
<b>3.</b>	Concepts of Determinism, Possibilism and Neo-Determinism, Concepts of Empiricism and Positivism, Approaches to Geographic Studies: Systematic v/s Regional and Ecological, Critique of Quantitative Revolution in Geography	<b>25%</b>
<b>4.</b>	Relationship among Population Growth, Economic Development and Environmental Conservation, Environmental Issues and Pollutions Related to Urban and Industrial Expansion Global Warming and Climate Change. Sustainable Development and Environmental Conservation.	<b>25%</b>
<b>Readings</b>	<ol style="list-style-type: none"> <li>1. Dikshit R. D., (1997): Geographical Thought: A Contextual History of Ideas, Prentice–Hall India.</li> <li>2. Husain , M.,(2015) : Evolution of Geographical Thought, Rawat Publications, Jaipur</li> <li>3. Hartshone R., 1959: <i>Perspectives of Nature of Geography</i>, Rand MacNally and Co.</li> <li>4. Holt-Jensen A., 2011: <i>Geography: History and Its Concepts: A Students Guide</i>, SAGE.</li> <li>5. Johnston R. J., (Ed.): <i>Dictionary of Human Geography</i>, Routledge.</li> <li>6. Kapur A., 2001: <i>Indian Geography Voice of Concern</i>, Concept Publications.</li> <li>7. Kaushik, S.D. , Rawat D.S.( 2017) : Geographic Thought and Methodology, Rastogi Publications, Meerut.</li> </ol>	

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SYLLABUS FROM THE ACADEMIC SESSION 2020-21

<b>Paper Code: UA06CGEO34</b>		<b>Total Credit:3</b>
<b>Title of Paper : Political Geography</b>		
<b>Unit</b>	<b>Description in Detail</b>	<b>Weight age (%)</b>
<b>1.</b>	Definition, Nature and Scope of Political Geography, History and Development of Political Geography; Approaches to the Study of Political Geography, Meaning of Geopolitics.	<b>25%</b>
<b>2.</b>	Evolution of the Modern State; Organization & Structure and Political and Administrative Systems, Concept of Nation, State and Nation-State; Geographic Characteristics of States: Size, Shape, Location, Cores and Capitals; Nation Building/Nationalism.	<b>25%</b>
<b>3.</b>	Definition of Frontier and Boundaries; Distinction Between Frontier and Boundaries; Genetic, Functional & Morphological Classification of Boundaries with their Role and Importance in States Functioning. Global Geo-Strategic Views: Mahan, Mackinder, Spykman & Seversky with Other Views Related to Heartland and Rimland; Cohen's Views; Unitary and Federal Forms of Governance.	<b>25%</b>
<b>4.</b>	Political Geography of India; Resource Development & Power Politics; India's Neighbors & Geopolitical Study of Indian Ocean; Political Geography of SAARC Region; Electoral Geography; Changing Political Map of India and Inter-state Disputes Related to Language and Others; Problems of Border States of India and Emergence of New States & their Demands.	<b>25%</b>
<b>Readings</b>	<ol style="list-style-type: none"> <li>1. Cox K. R., Low M. and Robinson J., 2008: <i>The Sage Handbook of Political Geography</i>, Sage Publications.</li> <li>2. Cox K., 2002: <i>Political Geography: Territory, State and Society</i>, Wiley-Blackwell</li> <li>3. Gallaher C., et al, 2009: <i>Key Concepts in Political Geography</i>, Sage Publications.</li> <li>4. Glassner M., 1993: <i>Political Geography</i>, Wiley.</li> <li>5. Iqbal Mohiuddin ,(1987) : <i>Political Geography of India</i> , Adam Publishers &amp; Distributors, Delhi.</li> <li>6. Painter J. and Jeffrey A., 2009: <i>Political Geography</i>, Sage Publications.</li> <li>Dikshit, R.D.( 1982) : <i>Political Geography : A contemporary Perspective</i>, tata McGraw – Hill Publishing Co. Ltd., New Delhi.</li> <li>7. Taylor P. and Flint C., 2000: <i>Political Geography</i>, Pearson Education.</li> <li>8. Verma M K (2004): <i>Development, Displacement and Resettlement</i>, Rawat Publications, Delhi.</li> <li>9. Adhikari S. (2017): <i>Political Geography</i>, Rawat Publications, Jaipur.</li> </ol>	

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SYLLABUS FROM THE ACADEMIC SESSION 2020-21

<b>Paper Code: UA06CGEO35</b>		<b>Total Credit:3</b>
<b>Title of Paper : Geography of Disaster Management</b>		
<b>Unit</b>	<b>Description in Detail</b>	<b>Weight age (%)</b>
<b>1.</b>	Disasters: Definition, Concepts and Classification of : Hazards, Disasters; Risk and Vulnerability;	<b>25%</b>
<b>2.</b>	Disasters in India: Flood: Causes, Impact, Distribution and Mapping; Landslide: Causes, Impact, Distribution and Mapping; Drought: Causes, Impact, Distribution and Mapping	<b>25%</b>
<b>3.</b>	Disasters in India: Earthquake and Tsunami: Causes, Impact, Distribution and Mapping; Cyclone: Causes, Impact, Distribution and Mapping.	<b>25%</b>
<b>4.</b>	Manmade disasters: Causes, Impact, Distribution and Mapping, Response and Mitigation to Disasters, Mitigation and Preparedness, NDMA and NIDM; indigenous Knowledge and Community-Based Disaster Management; Do's and Don'ts During and Post Disasters	<b>25%</b>
<b>Readings</b>	<ol style="list-style-type: none"> <li>1. Government of India. (1997) Vulnerability Atlas of India. New Delhi, Building Materials &amp; Technology Promotion Council, Ministry of Urban Development, Government of India.</li> <li>2. Kapur, A. (2010) Vulnerable India: A Geographical Study of Disasters, Sage Publication, New Delhi.</li> <li>3. Modh, S. (2010) Managing Natural Disaster: Hydrological, Marine and Geological Disasters, Macmillan, Delhi.</li> <li>4. Singh, R.B. (2005) Risk Assessment and Vulnerability Analysis, IGNOU, New Delhi. Chapter 1, 2 and 3</li> <li>5. Singh, R. B. (ed.), (2006) Natural Hazards and Disaster Management: Vulnerability and Mitigation, Rawat Publications, New Delhi.</li> <li>6. Sinha, A. (2001). Disaster Management: Lessons Drawn and Strategies for Future, New United Press, New Delhi.</li> <li>7. Singh Jagbir (2007) "Disaster Management Future Challenges and Oppurtunities", Publisher- I.K. International Pvt. Ltd. S-25, Green Park Extension, Uphaar Cinema Market, New Delhi, India (www.ikbooks.com).</li> </ol>	

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SYLLABUS FROM THE ACADEMIC SESSION 2020-21

<b>Paper Code: UA06CGEO36</b>		<b>Total Credit:3</b>
<b>Title of Paper : Research Methodology and Field Work (Practical)</b>		
<b>Unit</b>	<b>Description in Detail</b>	<b>Weight age (%)</b>
<b>1.</b>	<p><b><u>Map Projection</u></b></p> <p><b>1. ZENITHAL POLAR PROJECTION.</b>  i. Zenithal Polar Gnomonic Projection  ii. Zenithal Polar Stereographic Projection.</p> <p><b>2. CONICAL PROJECTION :</b>  i. Projection with one standard parallel  ii. Bonne's Projection</p> <p><b>3. CYLINDRICAL PROJECTION</b>  i. Cylindrical equal area Projection.  ii. Mercator's Projection (Construction of above map projection with properties and uses of each group : one from each hemisphere).</p>	<b>25%</b>
<b>2.</b>	<p><b>Representation of Statistical Data</b></p> <p>1.Simple Line Graph  2.Polygraph  3.Simple Bar Diagram  4.Compound Bar Diagram  5.Pie Diagram (Chart)  6.Dot method  7.Choropleth method</p>	<b>25%</b>
<b>3.</b>	<p><b>Interpretation of S.O.I. Topographical map on following points</b></p> <p>1. Physiographic  2. Drainage pattern  3. Vegetation, settlement,  4. Transportation and communication  5. Occupation</p>	<b>25%</b>
<b>4.</b>	<p><b>Surveying</b></p> <p>Chain &amp; Tape Survey - Preparation of plans  Prismatic Compass Survey - Open &amp; Closed traverse  Plane Table - Radiation and Intersection methods  Indian clinometers - Calculation</p>	<b>25%</b>
<b>5</b>	<p><b>Field visit and preparation of report.</b></p> <p>Students to be taken on a field visit for one day to nearby village/ town/tourist place, and have to submit its report.  Main objectives of field visit are :</p> <p>1. To collect demographic/ social/ economic data of the households with a structured questionnaire</p>	

	2. To prepare the report with maps, sketches and photographs. (This report should be at least 03 pages)	
<b>Readings</b>	<ol style="list-style-type: none"> <li>1. Gopal Singh, (1996) Map Work and Practical Geography, Vikas Publishing House, New Delhi.</li> <li>2. Singh,R.L. and Dutt,P.K. (1968) Elements of Practical Geography, Students Friends, Allahabad</li> <li>3. Negi,B.S. (1998) Practical Geography, Kedarnath and Ramnath, Meerut.</li> <li>4. Singh L.R.(2009) Fundamentals of Practical Geography, ShardaPustakBhavan, Allahabad</li> <li>5. Creswell J., 1994: <i>Research Design: Qualitative and Quantitative Approaches</i> Sage Publications.</li> <li>6. Dalal V.G. Prayogik Bhugol Part1,2 – Gujarati, University Granth Nirman Board, Ahmedabad (1<sup>st</sup> Edition)</li> </ol>	
<b>Note:</b>	<ol style="list-style-type: none"> <li>1. Paper Sem. V C-26- cartography Technic (Theory) &amp; Paper Sem. VI C-26 - Research Methodology and Field work (Practical) both are theory and a practical paper. Each one of the five units mentioned in the syllabus has a theoretical component and related practical sections.</li> <li>2. <b>The theory Component shall have 100 marks weightage ( <u>70 mark: external</u> and 30 marks internal ) in the final examination worth the duration of three hours. The practical component shall have 100 marks weightage ( <u>70 marks external</u> including journal assessment (10 marks) and viva-voce examination (10 marks) and 30 marks internal) in final practical examination having 5 hours duration.</b></li> <li>3. Number of students in a batch for a practical examination shall not have more than 15 under normal circumstance.</li> <li>4. Students are required to keep a record of practical work in journal form, duly signed by the teacher in-charge on all exercises and certified by Head of the department and principal of the college.</li> <li>5. Candidates who have not completed their journal work shall not be allowed to appear in the practical examination.</li> </ol> <p><b>Students to be taken on a field visit for minimum one day to nearby-areas and have to submit field report.</b></p>	

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SYLLABUS FROM THE ACADEMIC SESSION 2020-21

<b>Paper Code: UA06DGEO21</b>		<b>Total Credit:3</b>
<b>Title of Paper : Impacts of Climate Change</b>		
<b>Unit</b>	<b>Description in Detail</b>	<b>Weight age (%)</b>
<b>1.</b>	Meaning of Climate and Weather, Types of Climate, Isolation, Heating of the earth's surface and atmosphere, Distribution of temperature on earth, Isotherms, Temperature zones of the world.	<b>25%</b>
<b>2.</b>	Composition of the atmosphere, Structure of the atmosphere, factors affecting to climate, meaning of ecology and ecosystem, level of ecology, types of eco system, a biotic and biotic environments.	<b>25%</b>
<b>3.</b>	Energy flows in ecosystem, productivity, nutrient cycle, hydrological cycle, biological cycles, factors affecting to ecosystem, ecosystem management.	<b>25%</b>
<b>4.</b>	Forest types and wild life, protection of wild life National parks, sanctuaries, community and biosphere reserve, population growth , types of pollutions, ozone depletion, climate change and global warming causes, impacts and remedies, sustainable development and green economy.	<b>25%</b>
<b>Readings</b>	<ol style="list-style-type: none"> <li>1. Singh, S.N. and Singh, V. (2002): Bhoutik Bhugol, Mishra Trading Corporation, Varanasi.</li> <li>2. Strahler, A.N. and Stahler, A.M. (1992): Modern Physical Geography. John Wiley and Sons, New York.</li> <li>3. Savindra Singh, (2000): Environmental Geography. Prayag Pustak Bhavan, Allahabad.</li> <li>4. Alexander, D. (1993): Natural Disasters. UCL Press Ltd, London.</li> <li>5. Shah M. R. &amp; Jasani K. N. (2016) Bhautik Bhugol (in Gujarati) University Granth Nirman Board, Ahmedabad.</li> </ol>	