

Walchand College of Arts and Science (Autonomous), Solapur
W.H.Marg, Ashok Chowk, Solapur

**Broad Syllabus: For Recruitment Examination of Assistant Professor
in Geography**

Unit / Broad Area	Umbrella Terms / Core Keywords
1. Geomorphology	Earth Structure & Geomorphic Processes; Continental Drift & Plate Tectonics; Endogenetic–Exogenetic Forces; Weathering & Denudation; Geomorphic Cycles; Slope Development; Earth Movements; Seismicity, Folding, Faulting & Volcanicity; Geomorphic Landforms; Geomorphic Hazards
2. Climatology	Atmosphere; Insolation & Heat Budget; Temperature, Pressure & Winds; Atmospheric Circulation; Air Masses & Fronts; Cyclones & Anticyclones; Climatic Classification; ENSO; Meteorological Hazards; Climate Change & Human Impact
3. Oceanography	Oceanic Relief; Seawater Properties; Temperature, Salinity & Density; Ocean Circulation; Currents, Waves & Tides; Sea-Level Change; Tsunami & Marine Hazards
4. Environmental Geography	Ecosystem & Human Ecology; Trophic Structure & Energy Flow; Biogeochemical Cycles; Food Chains/Webs & Ecological Pyramids; Human–Environment Interaction; Environmental Ethics & Deep Ecology; Environmental Hazards; Environmental Policies & Legal Framework
5. Population Geography	Population Data & Distribution; Population Growth; Demographic Transition; Population Theories; Fertility & Mortality; Migration; Population Composition; Population Policies
6. Settlement & Urban Geography	Rural Settlements & Patterns; Urbanization; Origin & Evolution of Towns; Urban Systems; Central Place Theory; Primate City & Rank-Size Rule; Urban Land-Use Models; Megacities, Global & Edge Cities; Changing Urban Forms
7. Economic Geography	Spatial Organisation of Economic Activities; Natural Resources & Management; Resource Distribution & Problems; Energy Resources & Energy Crisis
8. Agricultural Geography	Land Capability & Land Use Planning; Cropping Patterns & Crop Combination; Crop Diversification; Von Thünen Model; Agricultural Productivity; Regional Agricultural Variations; World Agricultural Systems
9. Industrial Geography	Industrial Classification; Industrial Location Factors & Theories; Industrial Regions; Globalization & Manufacturing; Industrial Development in Developing Countries
10. Transport & Trade Geography	Spatial Interaction; Connectivity & Accessibility; Gravity & Spatial Flow Models; Transport Networks; WTO; Globalization & Liberalization; World Trade Patterns; Regional & International Cooperation
11. Regional Development	Region & Regional Typology; Formal/Functional Regions; Regional Disparities; Regional Development Theories; Dependency & Underdevelopment; Economic Blocs; Regional Development & Social Movements in India
12. Social & Cultural Geography	Culture & Cultural Regions; Cultural Ecology & Heritage; Cultural Convergence; Social Structure & Processes; Social Well-being & Quality of Life; Social Exclusion; Social Groups & Spatial Distribution; Human Health & Disease Ecology; Nutrition; Health Planning & Policies; Medical Tourism
13. Political Geography	Boundaries & Frontiers; Geopolitical Theories; Political Geography Trends; Federalism; Electoral Geography & Reforms; Electoral Behaviour; Climate Geopolitics; Resource Geopolitics; Indian Ocean Geopolitics; Regional

	Organisations; Global Resource Politics
14. Geographical Thought	Classical & Indigenous Geographical Traditions; Greek, Roman, Arab, Chinese & Indian Scholars; Varenius, Kant, Humboldt, Ritter; Hartshorne & Schaefer; Darwinism & Geography; Geographic Traditions; Dualisms; Paradigm Shifts; Contemporary Indian Geography
15. Geographical Techniques	Geographic Data & Information; Cartography & Map Types; Map Making & Data Representation; GIS; Remote Sensing & Aerial Photography; Digital Image Processing; Big Data & Natural Resource Applications; GPS; Statistics; Sampling & Hypothesis Testing; Time Series; Correlation & Regression; Morphometric & Slope Analysis
16. Geography of India	Physiography & Drainage; Indian Climate & Monsoon; Jet Streams & Himalayan Cryosphere; Natural Resources; Population; Agriculture & Crop Regions; Agro-Climatic Zones; Green Revolution & Food Security; Industries & Industrial Policies; Transport & Trade; Regional Planning; Globalization & Indian Economy; Natural Disasters