

Department of Geography

Course Outcomes (COs): Course outcomes (Semester-wise)

Name of the Department	Class	Course code	Course Name	Course Outcome
Geography	M.A./M.Sc. Part –I	GGUT 111	Principles of Geomorphology	<p>Co1 Acquire knowledge on the relationship between geomorphic processes and resultant landforms on the earth's surface.</p> <p>Co2 Could explain the mechanism of plate movement and related tectonic activities.</p> <p>Co3 Could assess the denudation processes and relate them in the real field.</p> <p>Co4 Well versed with evolutionary concepts of various landforms from different climatic regions.</p> <p>Co5 Develop and idea about geomorphology and different types of fundamental concepts.</p> <p>Co6 Acquire knowledge about slope forms and processes.</p>
Geography	M.A./M.Sc. Part –I	GGUT 112	Principles of Climatology	<p>Co1 Acquire knowledge about the Earth's atmosphere.</p> <p>Co2 Apply knowledge about atmospheric pressure and winds influences on climate.</p> <p>Co3 Understand the role of atmospheric moisture,</p> <p>Co4 Apply the learned knowledge in day-to-day life role of weather and climatic changes.</p> <p>Co5 Understand how atmospheric moisture works.</p> <p>Co6 Understand the importance of the atmospheric pressure and winds.</p>
Geography	M.A./M.Sc. Part –I	GGUT 113	Principles of Economic Geography	<p>Co1 Explain principal terms, definitions, concept, nature, scope and recent trends in Economic Geography.</p> <p>Co2 Discuss types of hypotheses in economic geography and formation and testing of hypotheses.</p> <p>Co3 Explain economic landscape, theories and models.</p> <p>Co4 Describe resources and explain significance of natural and human resources in economic development.</p> <p>Co5 Describe different Factors of Production and related aspects.</p> <p>Co6 To Categorizes and compares different countries with their economic development.</p>

Geography	M.A./M.Sc. Part –I	GGUT 114	Principles Population & Settlement Geography	<p>Co1will be able to learn about population data sources</p> <p>Co2Understand the trends and patterns of the components of population change in India and the world.</p> <p>Co3Learn the concepts of the population theories and the population policies and link with population characteristics.</p> <p>Co4Get an idea about the settlement system both for rural and urban regions.</p> <p>Co5Understand the spatial distribution of rural settlements and can recognize their Shape, size and patterns.</p> <p>Co6Can identify different urbanized regions, can categorize settlement hierarchy and size-class distribution of towns</p>
Geography	M.A./M.Sc. Part –I	GGUT 115	Practical in Physical and Human Geography	<p>Co1Describe underlying theory and concepts of experiments in course.</p> <p>Co2Calculate agricultural efficiency and analysis of methods, network structures, Lorenz curve and location quotient, logarithmic graph papers, child women ratio, age sex pyramid & dependency ratio, infant mortality rate and age specific mortality and population growth rate and population projection.</p> <p>Co3Apply gravity model and nearest neighbor analysis</p> <p>Co4Document their results, using correct procedures and protocols.</p> <p>Co5Perform a quantitative analysis of experimental data including use of computational and statistical methods where relevant.</p> <p>Co6The student will be able to analyses drainage network, Drainage basin relief analysis, climatic elements and climatic classification.</p>
Geography	M.A./M.Sc. Part –I	GGUT -121	Geoinformatics - I	<p>Co1Understand the elements of geoinformatics.</p> <p>Co2GIS Applications, GIS Tasks- input, manipulation, management</p> <p>Co3Apply database and Data models</p> <p>Co4Apply structuring of spatial data</p> <p>Co5Data analysis: SQL attributes.</p> <p>Co6Apply knowledge Spatial data analysis.</p>

Geography	M.A./M.Sc. Part –I	GGUT -124	Agricultural Geography	<p>Co1 Will be able to understand about the determinants of agricultural land use.</p> <p>Co2 Have an idea on the concepts, trends and patterns of land holdings</p> <p>Co3 Will know about the agricultural regions in the world and in India.</p> <p>Co4 To aware about different models in agricultural geography.</p> <p>Co5 To know about different agricultural revolution and use of technology in agriculture.</p> <p>Co6 To know about the importance of sustainable agriculture.</p>
Geography	M.A./M.Sc. Part –I	GGUT -128	Industrial Geography	<p>Co1. To understands the classification, evolution of Industry.</p> <p>Co2 To get knowledge about Industrial Theory with present day relevance</p> <p>Co3 To know about Industrial policy of India, Industrial labor class, labor law.</p> <p>Co4 To identify the Problems and issues of related to industry, resources, market</p> <p>Co5 Know about the various industrial occupations.</p> <p>Co6 Inculcate the knowledge of changing dynamics in the industrial sector that will help them in their research studies</p>
Geography	M.A./M.Sc. Part –I	GGDP- 131	Practical in Surveying	<p>Co1 Students get to physically verify the problems and issues related to urban and Rural areas by visiting the spot and interacting with the various stakeholders of the region.</p> <p>Co2 To Measure a physical object/ area of a geographical space with survey instrument; Mathematical Calculation and drawing of a map/ plan.</p> <p>Co3 Process of primary data collection through different methods.</p> <p>Co4 Apply the theoretical knowledge gained in the practical aspects by using theodolite, dumpy level in the field</p> <p>Co5 Develop the skill of spatial data acquisition, management, analysis and mapping</p> <p>Co6 Applying the knowledge in producing appropriate and accurate cartographic images in dissertation work</p>
Geography	M.A./M.Sc. Part –I	GGDT -132	Geography of Disaster Management	<p>Co1 Will able to understand the concepts of hazards and disasters.</p> <p>Co2 Will know the different types of hazards and disasters.</p> <p>Co3 Will understand the causes and consequences of hazards and disasters.</p>

				<p>Co4 Will have an idea disaster management of hazards and disasters.</p> <p>Co5 Develop an idea about factors, consequences and management of earthquake, landslide, flood and riverbank erosion.</p> <p>Co6 Acquire knowledge about human induced disaster.</p>
Geography	M.A./M.Sc. Part –I	GGUP-134	Practical of Statistical Techniques for Geography	<p>Co1 Are able to apply various statistical and cartographic techniques to deal with the available data in resolving geographical issues.</p> <p>Co2 Can understand the techniques of sampling.</p> <p>Co3 Know how to correlate two or more variables.</p> <p>Co4 Acquire knowledge about spatial measurements of network analysis.</p> <p>Co5 Gets knowledge how to solve geographical data matrix.</p> <p>Co6 They can know about the quantitative techniques in geography.</p>
Geography	M.A./M.Sc. Part –II	GGUT -235	Geoinformatics-II	<p>Co1 Explain definition, concepts and principles, components.</p> <p>Co2 Describe history of development of remote sensing and GIS in India</p> <p>Co3 Describe methodologies of extracting data from remotely sensed imagery.</p> <p>Co4 Explain processing and analysis of data collected from remote sensors.</p> <p>Co5 Develop an idea about interpretation and application of remote sensing and GIS.</p> <p>Co6 They understand about Aerial photography and Satellite Remote Sensing.</p>
Geography	M.A./M.Sc. Part –II	GGUT -236	Geographical Thoughts	<p>Co1 To identify historical evolution of the progress of geographical knowledge</p> <p>Co2 To gather knowledge about the philosophical contribution of philosophers and relate with different philosophical theorization.</p> <p>Co3 To understand gradual Changing world and its geographical analysis, philosophical debate.</p> <p>Co4 To discuss evolution of thought process the Indian geography.</p> <p>Co5 Develop an idea about evolution of geographical thinking and disciplinary trends in Germany, France, Britain, and United States of America.</p> <p>Co6 Know about the trends of geographical thoughts.</p>

Geography	M.A./M.Sc. Part –II	GGUT -240	Urban Geography	<p>Co1To gets information and Evolution of urban geography and urbanization in terms of spatio-temporal context.</p> <p>Co2To correlate the urban infrastructure associated with urban issues and environment.</p> <p>Co3To Symbiotic relationship between Urban economy and urban population.</p> <p>Co4Toanalyses critically the urban environmental problem.</p> <p>Co5 To be able to identify the urban environmental problem and how to solve those problems.</p> <p>Co6 They will know the characteristics of urban settlement.</p>
Geography	M.A./M.Sc. Part –II	GGDP- 241	Practical in Geoinformatics	<p>Co1Explain concept, measurements interpretation of aerial photographs and satellite images.</p> <p>Co2Describe GIS-concepts, GIS-definition, application and data models.</p> <p>Co3Apply GIS operations- digitization, raster and vector overlay.</p> <p>Co4Apply GIS operations</p> <p>Co5Digit from a toposheet quadrant.</p> <p>Co6Apply knowledge of map algebra and spatial interpolation from a toposheet quadrant</p>
Geography	M.A./M.Sc. Part –II	GGUT -242	Hydrology	<p>Co1 To introduce the students basic concept of Hydrology.</p> <p>Co2 Acquire the knowledge onhydrological parameters.</p> <p>Co3Apply the knowledge for estimation of groundwater resources and flow.</p> <p>Co4Apply the knowledge when society facing challenges like drought, floods, water conflicts, water contamination etc.</p> <p>Co5Suggest to public importance of water harvesting and conservation.</p> <p>Co6 Know the importance of surface water hydrology and surface water resources in India.</p>
Geography	M.A./M.Sc. Part –II	GGUP- 247	Practical in Economic Geography	<p>Co1Student will understand techniques in agriculture geography</p> <p>Co2Student will understand techniques in industrial geography</p> <p>Co3Student will understand techniques in transport geography</p> <p>Co4Student will use these techniques in research</p> <p>Co5 Develop knowledge on geographical aspects of economy; types of economic activities</p>

				<p>Co6 Conceptualize, demarcate and analyze the geographical determinates of agriculture and manufacturing activities</p>
Geography	M.A./M.Sc. Part –II	GGUT -249	Geography of India	<p>Co1To gets Knowledge of regions and regionalization of India with changing time scale.</p> <p>Co2To understands the regional issues, conflicts and regional disparities.</p> <p>Co3To comprehend the concept of Regional Cooperation.</p> <p>Co4To get the Policy Framework in Regional Development.</p> <p>Co5 They understand the population problems in India. Access the population policies and reaction the countries.</p> <p>Co6 They understand globalization and Indian economy. And also understand the regional distribution of resource.</p>
Geography	M.A./M.Sc. Part –II	GGUT -250	Oceanography	<p>Co1Retrieve the definition, nature and scope of Oceanography.</p> <p>Co2To understand categorize of landforms at Ocean floor according to their genesis.</p> <p>Co3To understand Classify the relief features in Pacific, Atlantic and Indian ocean</p> <p>Co4To Detect and analyze the properties of Ocean water like salinity, Temperature and density.</p> <p>Co5To Compare and conclude about ocean water circulations like waves, tides and ocean currents.</p> <p>Co6Arrange ocean deposits and proposes the ocean as a future resource for man.</p>
Geography	M.A./M.Sc. Part –II	GGUT -251	Research Methodology	<p>Co1Get to learn how to prepare a research work starting from identifying the problem, preparing the hypothesis and deriving the objectives to understanding the problem.</p> <p>Co2Learn to resolve the issues both quantitatively and qualitatively and finally how to present it as a report.</p> <p>Co3Understand formulate research based on specific problems in Geography and Disaster Management.</p> <p>Co4Know how to prepare hypothesis and ask research questions.</p> <p>Co5Know how to review literature from a specific field of research and how to devise methodology based on different studies.</p> <p>Co6Know how to carry out research based on suitable statistical methods and how to analyses the data.</p>

Geography	M.A./M.Sc. Part –II	GGUT -254	Political Geography	<p>Co1 will able to learn and understand nature and scope of political geography and its relationship with other disciplines.</p> <p>Co2 Will understand the theories of political geography.</p> <p>Co3 Will understands the concepts and classification of state, nation, frontiers, boundaries, territory etc.</p> <p>Co4 Will get an idea about electoral geography.</p> <p>Co5 Will understand the geostrategic views.</p> <p>Co6 Will have an idea about the conflicts and disputes based on religion, language, Resources and the conflict resolution through global and regional association and organizations.</p>
Geography	M.A./M.Sc. Part –II	GGDP- 257	Interpretation of Topographical Maps and GPS Survey	<p>Co1 Students get to physically verify the problems and issues related to urban and rural areas by visiting the spot and Interacting with the various stakeholders of the region.</p> <p>Co2 To Measure a physical object/ area of a geographical space with survey instrument; Mathematical Calculation and drawing of a map/ plan.</p> <p>Co3 Process of primary data collection through different methods, interaction and Knowledge of analysis of real society, identification of physio-socio-economic issues, connects social issues and geographical knowledge.</p> <p>Co4 To define and classify maps.</p> <p>Co5 Interpret SOI an OS toposheet maps.</p> <p>Co6 To gain about GPS survey.</p>
Geography	M.A./M.Sc. Part –II	GGUT -258	Geography of World	<p>Co1 To gets Knowledge of regions and regionalization of world with changing time scale.</p> <p>Co2 Know the importance of climate, soil and natural vegetation.</p> <p>Co3 To comprehend the concept of Regional Cooperation.</p> <p>Co4 To get the Policy Framework in country Development.</p> <p>Co5 To understand the regional issues, conflicts and regional disparities.</p> <p>Co6 Learn the distributions, density and growth of world population.</p>

Geography	M.A./M.Sc. Part –II	GGUT -258	Dissertation	<p>Co1Acquire knowledge for preparation of research problem.</p> <p>Co2Know the frame objectives and research questions.</p> <p>Co3Know the collection of primary and secondary data.</p> <p>Co4Know the application of suitable statically methods according to research problem.</p> <p>Co5Acquire knowledge analysis of data on objectives oriented.</p> <p>Co6Acquire knowledge to delineate the results and conclusion.</p>
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