

## DEPARTMENT OF GEOGRAPHY

### PROGRAMME OUTCOME:

Geography is a holistic and interdisciplinary field of study engaged in understanding the changing spatial structure from the past to the future. Thus, the scope of Geography is in various disciplines, like armed services, environmental management, water resources, disaster management, meteorology and planning and various social science. Apart from that, a geographer can help in day to day life like tourism, commuting, housing and health related activities.

### COURSE OUTCOME:

GEO-A-CC-1-**01**-TH/P – Geotectonics and Geomorphology:

This course enables us to learn the physical features of the world as well as their formation, history of development and subsequent changes over time.

GEO-A-CC-1-**02**-TH/P – Cartographic Techniques:

This course is designed to learn the techniques of mapping, classification and types of maps and different modes of representation of data primarily through maps and diagrams.

GEO-A-CC-2-**03**-TH/P – Human Geography:

This course help us to learn distribution of population, their changes over time, theories of population growth and transition, race and cultural distinctiveness over space.

GEO-A-CC-2-**04**-TH/P – Cartograms, Thematic Mapping and Surveying:

This course teaches map making techniques. Thematic maps are such which represent data through diagrams. Surveying, particularly analogue surveying is the tool for collection of surface data and transform those data onto maps. This is a special tool for geographers to prepare local area maps.

GEO-A-CC-3-**05**-TH/P – Climatology

This course is designed to know about the global climate, classification of climatic regions, global heat budget, theories on formation of different forms of precipitation, monsoon and its impact and formation of cyclones and other important climatic phenomena.

GEO-A-CC-3-**06**-TH/P – Hydrology and Oceanography:

This is to teach about the water on earth, its storage, runoff, budget and cyclical movement. The role of water on life of earth is immense. This course is mostly designed to know this. The surface of the earth is covered by six large oceans covering two third of it. Oceanography teaches the students about the topography underneath, the resources under water and the role of oceans on aquatic life, formation of coral reefs, atolls etc.

GEO-A-CC-3-**07**-TH/P – Statistical Methods in Geography:

This is all about collection of demographic and social data, its arrangements, analysis and graphical representation. This enables the students to develop a part of research methodology and applied geography.

GEO-A-CC-4-**08**-TH/P – Economic Geography:

The global economy, its trend, economic conditions of developed and developing nations, trade and transport are the main topics under this heading. This course helps to understand global economic relations and its effect on different nations.

GEO-A-CC-4-**09**-TH/P – Regional Planning and Development:

This course teaches the students about the micro and macro regional development. The reasons in favour and against development, the making of plans to develop a region and about the theories of planning and development past and present.

GEO-A-CC-4-**10**-TH/P – Soil and Biogeography:

Soil is another very important part of the surface of the earth as it helps us to produce food. The soil formation, its properties, fertility and management are among the outcome of the course. Learning of ecology and its maintenance, the disturbing factors of ecology its change over space and time are some of the course outcome.

GEO-A-CC-5-**11**-TH/P – Research Methodology and Fieldwork:

This is the applied part of the syllabus. Here students learn to develop a project of their own, to build a hypothesis, testing of hypothesis and analyse and interpret the primary data collected by them.

GEO-A-CC-5-**12**-TH/P – Remote Sensing, GIS and GNSS

These are some emerging areas of geography. In this course they learn different types of remote sensing, interpret the satellite imageries and prepare maps with help of them. Here students learn to collect and interpret data through GIS software. Determination of location, Geographical positioning system and mapping with the help of digital data are the main course outcome.

GEO-A-CC-6-**13**-TH/P – Evolution of Geographical Thought:

This teaches the students about the history of development of the subject, development of different theories, debates on various schools of thought and progress of the subject of ancient to recent times.

GEO-A-CC-6-**14**-TH/P – Disaster Management:

This is another area dealing with contemporary issues. Climate change and related disasters, tectonic changes and related disasters and manmade disasters cause threat to civilisation. This course covers many of them and teaches students the reasons behind them, their control and management.