

LEARNING OUTCOME OF T.D.C SYLLABUS

Geography Department

Morigaon College

Major courses

First Semester (major)

Paper- 101: Understanding Geography

Learning outcome

1. After completion of this lesson, students will be acquiring knowledge about scope of geography, its interdisciplinary and integration with other disciplines of study.
2. Students will have a overview of development of geography as a discipline of science through the ages.
3. Will have a basic concept about interrelationship, content and nature of interaction and interdependencies between physical environment and human development.
4. Students will learn the basic concepts of geography in relation to spatial variation, spatio-temporal variation, their interaction and organization.
5. Students will have a fair knowledge about human ecology and system concepts.

Paper- 102: Basis of Geomorphology

Learning outcome

1. After this lesson the students will have a knowledge of physical geography in relation to its nature and scope, the concepts of origin and evolution of topography.
2. Acquire knowledge about the relationship of physical geography with other branches of earth science and divisions of physical geography.
3. Will be able to explain the position of geomorphology in physical geography along with the divisions of geomorphology in relation to structural, fluvial, arid, glacial, coastal or tropical morphology.
4. Students will have an overview of structure and composition of interior of earth and development of earth crust and origin and methods of development of major land forms.
5. Will be able to describe scientific ideas and theories about development of the landscapes and will be able to develop skills to use basic techniques for identification, measuring and analysing the landforms.
6. Will be able to explain the concepts and theories of plate tectonics, mass balance, dynamics and hydrology and will be able to understand the processes by which transportation of earth material occurs through fluvial and gravitational processes.
7. Will learn about significance of temperature variation on the ground.
8. Will have basic concepts about relief features of plateaus, hills, foothills, valleys, plains and flood plains.

Paper- 103: Geomorphology Practical

Learning outcome

1. Will be able to represent relief features of the plateaus, hills, foothills, valleys, plains and flood plains through superimposed / composite/ serial or projected profiles.
2. Will be able to demarcate basin with representation of basin relief through profiles and will be able to draw interpretations.
3. Will become able to express slope and gradients from a topographical map.
4. Will be able to draw longitudinal profiles of rivers from topographical maps, chalk out water discharge curve and calculate the sediment transport and erosion within a landscape.
5. Will be able to identify sedimentary and igneous rocks and their characteristics.

Second Semester (major)

Paper- 201: Oceanography and Climatology

Learning outcome

1. After this lesson the students will become able to acquaint themselves with nature and scope of oceanography and distribution pattern of land, sea and oceans.
2. They will have knowledge of bottom relief of oceans, their waves and current in relation to origin, type, characteristics and impact of ocean waves and current on environment.
3. Students will also have knowledge about ocean resources, their types and distribution and their influences upon mankind.
4. The learners will have the basic concepts of climatology and its geographical significance along with knowledge of earth's atmosphere in respect to structure, composition and characteristics.
5. A fair knowledge about elements and factors influencing climate.
6. Have a concept of distribution of temperature over earth surface, global pressure belts and wind system, formation and characteristics of cyclones.

Paper- 202: World Regional Geography

Learning outcome

1. After this lesson the students will become able to demonstrate an understanding about the history of social and environmental processes that have influenced forming of the world's major cultural regions.
2. Will become able to compare evolutionary processes of human societies under different historical, cultural and environmental perspectives.
3. Will acquire knowledge of major regions of the world with cultural and physical features.

Paper- 203: Practical on Oceanography, Climatology and World Regional Geography
Learning outcome

1. Students will become able to draw and interpret various curves pertaining to land surface and ocean bottom, ocean currents on charts and relief features of ocean.
2. Will acquire practical knowledge for construction and interpretation of vertical layers of earth's atmosphere, rainfall-temperature-humidity graphs.
3. Will be able to study and interpret weather maps and can predict weather condition from these maps.
4. Will become able to develop world demarcation maps based on social and economic indicators.
5. Will become able to make graphical representation of world population growth.

Third Semester (major)
Paper- 301: Soil and Biogeography
Learning outcome

1. Upon completion of this lesson, the learners will be able to describe soil profiles, its characteristics, significance as a basic component of environment and life supporting system.
2. The learners will know about the physical and chemical properties of the soil, soil types and processes of soil formation.
3. Learn about concept and relevance of biogeography, ecosystem and ecology responsible for global trend of distribution of major plants and animals.
4. Learn about bio diversity, types of bio diversity, role of human in ecological disturbances and conservation issues.

Paper 302: Economic geography
Learning outcome

1. Focus on building theories about spatial arrangement and distribution of economic activities.
2. Explain the importance of economic geography in analyzing the ways societies and economic works.
3. Discuss and critically evaluate these concepts and theoretical approaches.
4. Explain and apply key concepts and theoretical approaches in economic geography.

Paper 303: practical on biogeography and economic geography and field study

Learning outcome

This paper gives practical use of above mention theory papers where students can learn to prepare map of different soil group of India and North East India along with different Industrial zones, vegetation, natural parks and sanctuaries of India.

Besides these students can learn about the use of different cartographic technique of representation of economic and population data through trend line, pie –graph, line graph, choropleth mapping etc.

Fourth semester (major)

Paper 401: forms and processes in geomorphology

Learning outcome

1. Geomorphology produces an outcome, indicating that students should be able to work out a geomorphic process.
2. By studying this paper students can acquire an overall knowledge regarding the various processes and forms that operates in our physical environment , it may includes river processes, mountain building processes, theories related to plate tectonics, earthquakes etc.

Paper 402: Human geography

Learning outcome

1. Students will acquire an understanding regarding the relationship between prevailing geographic environment and cultural practices of human being.
2. This paper tries to build an idea among students regarding the role that geography play in community engagement.
3. Students will develop the ethical aptitudes and disposition necessary to acquire and hold leadership position in industry, government and professional organizations.

Paper 403: Practical processes on geomorphic processes

Learning outcome

1. Students will able to read, interpret and generate maps and other geographic representations as well as extract analyze and present information from a spatial perspectives.
2. Students can develops an idea regarding different topographic condition including floodplain plain area, foot hill zones, alluvial plain etc.

Fifth semester (major)

Paper 501: Concept Regional planning and development of USA and JAPAN

Learning outcome

1. this paper studied in details about the planning of different regions including resource potentiality of different regions of the world
2. By studying this paper students can acquire knowledge regarding different indicators of development through which he/she can understand and developed idea regarding developed, underdeveloped and developing regions of the world.
3. Through gaining knowledge regarding the necessary skills to plan cities and regional towns. One can learn to balance the competing priorities for development preservation of the natural environment.

Paper 502: Regional geography of India and SAARC nation

Learning outcome

This paper helps to know the regional resources and it may help to prepare future plan for welfare of the society.

Paper 503: Cartographic and quantitative methods

Learning outcome

1. As map making is the sole purpose of geographers, by going through this paper students can acquire good knowledge about different procedure of map making and various projection system of map making by developing broad knowledge about latitude, longitude, meridians, parallels etc.
2. Another part helps students in developing their quantitative application in geographical study which gives more accuracy in any geographical enquiry which can further helps students in conducting research activities.

Paper 504: Population and settlement geography

Learning outcome

1. The outcome of this paper lies in the field that students can develop their understanding regarding population and its various characteristics including population growth, density, fertility, mortality, death rate, birth rate etc.
2. Through this he/she can understand the negative or positive effect of population growth in the society and can create awareness among the people of society regarding this.

Paper 505: Practical on cartographic methods (surveying and map works)

Learning outcome

Students can acquire knowledge of different method of surveying and map making by using proper tools and technique and can apply these knowledge in future research works.

Paper 506: Practical on cartographic and quantitative method

Learning outcome

1. Likewise the theory paper the outcome of this paper lies in the fact that the acquiring knowledge of map making which is a key purpose of cartography student can apply this map making process in practical base research work and they can further prepare more accurate and précised map by applying different quantitative method
2. Another outcome of this paper is that students become able read and analyse different maps which may include topographic maps, atlas, wall map etc where they can identify different physical and cultural features.

Sixth semester (major)

Paper 601: Environment and development

Learning outcome

1. Students will become able to have a comprehensive knowledge about the environmental ethical, ecological as well as socio economic issues.
2. Students will be able to gather concepts about sustainable development goals in relation to environmental issues.
3. Students will be able to identify the problems and propects in relation to environmental problems like pollution, global warming, climate change, flood hazards etc.
4. Students will be able to address issue in relation to sustainable management visa via environment.

Paper 602: Social and political geography

Learning outcome

Political geography is concerned with the study of both the spatially uneven outcome of political processes and the way in which political processes are themselves affected by spatial structures.

Paper 603: Regional geography of North East India with special focus on Assam

Learning outcome

1. This paper gives a detail about the strategic location and its locational benefit of Assam and North East India giving emphasis on its population agricultural resources, transport and communication etc.
2. Students can built an in depth idea regarding the importance of tourism sector in the development of economy of whole North Eastern India and also the economy of Assam.
3. The paper create an awareness among the students regarding the importance of biodiversity conservation and also the importance of various species present in different wild life sanctuaries and national parks of Assam.

Paper 604: Principle and application of Remote Sensing, GIS AND GPS

Learning outcome

1. Students will acquire knowledge regarding the use of modern tools and technology like GPS, GIS in geographical studies and can apply this knowledge in any field of study.
2. Students can acquire a broad knowledge regarding remote sensing, various sensors and can developed idea about aerial photographs, satellite imagery etc.

Paper 605: Practical on advanced techniques in geography

Learning outcome

1. Through this practical paper students can developed their base regarding the practical use of advanced technology in different field of geography through which they can prepare more accurate and précised maps of different cultural and physical features.
2. Students are able to prepare maps through using digital software like GIS, GPS and different navigation devices.

Paper 606: Project work

Learning outcome

This paper is a field based paper where students developed their field based knowledge and become able to tackle or face any problem while conducting a research project. Overall this paper gives research based knowledge.

General course

First semester (general)

Physical geography

Learning outcome

1. The paper gives an overall knowledge regarding what is geography? What are its branches? And the interrelation prevail among the branches of geography.
2. The paper helps students in understanding about the different landforms which is formed on the surface of the earth and the forces related with the formation of landform
3. Students can acquire an idea regarding different topographic condition including fluvial, wind topography and glaciated topography

Second semester (general)

Physical geography- II

Learning outcome

This paper gives a broader perspectives of physical part of geography where it includes part of climatology, biogeography and soil geography

1. The outcome of this paper lies in the fact that students can acquire an understanding about the climatic condition including Indian monsoon, temperature, heat budget, wind humidity etc. by studying this paper students become aware about the recent climatic changes in respect to global warming and can create awareness among people to prevent it.
2. By studying biogeography students can come to know about the ecosystem functioning of ecosystem and importance of plants and animals for the survival of a good atmospheric condition.

Third semester (general)

Human geography

Learning outcome

1. As geography deals with both physical and human world this paper gives an idea regarding the human world through which people can come to know about the environment impact on human being and vice versa and able to understand human adjustment in different region of the world according to environmental demand.
2. This paper gives an overall idea about human environment relationship in different environmental condition along with students are benefited by studying about settlement pattern which take different form in different places. So that students are able to prepare a mental map regarding the origin and growth of human settlement their population, migration pattern etc.

Third semester (general)
Practical on physical geography
Learning outcome

1. The outcome of practical paper lies in the fact the fact that it gives students knowledge about practical use of theory paper.
2. Through this paper students able to read and analyze and identify different topographic maps and its relief features including both physical and cultural features. Besides these another outcome of the paper is that going through different practical of this paper students can interpret different weather data from weather maps of different part of the world.

Fourth semester (general)
Cartographic and quantitative techniques in geography.
Learning outcome

1. The main purpose of geography is to show different phenomena whether it cultural or physical on maps, therefore showing things on maps is main purpose of geographers.
2. The main outcome of the paper lies in the fact that it gives clear idea regarding different types of maps, different map making processes, surveying techniques along with remote sensing and application geographic information system in geographic studies.

Fourth semester (general)
Practical on human geography
Learning outcome

1. The practical use of this paper is that students are able to show different objectives like population growth, population distribution, density etc on maps. So that the student can develop knowledge regarding different mapping procedure like choropleth, thematic mapping etc.
2. Another important part of the paper is that it helps students in identifying different cultural phenomena of different localities. For example students can develop their knowledge regarding different house types of the states of North East India.

Fifth semester (general)
Paper 501: Regional Geography
Learning outcome

1. This tries to give a detail knowledge about physical, population and economic characteristics of world regional geography. The special preference is given to regional

geography of Asia including its population growth, distribution, agriculture and industrial development.

2. The emphasis on regional geography of India and Assam including its physical aspects i.e. physiography, climate as well as other aspects of regional geography as given in details.

3. Overall this paper is all about the knowledge of regional geography of local, regional and world level.

Fifth semester (general)

Paper 502: practical

Students outcome

This paper examines the cartographic method and techniques and its implications. These practicals are prepared to give students an idea about map projections, surveying and mapping techniques along with standard carto statistical way of representation of data.

Sixth semester (general)

Economic, political and environmental geography.

Syllabus outcome

This paper gives a broader perspectives of different field of geography including political, economic and environmental geography. Through which the paper create awareness among students regarding importance of resources, needs of conservation and their distribution in different parts of the world.

Students can develops idea regarding how different boundary and frontiers are form among countries and what are its importance?

Another important part of the paper is creating awareness among students about the environment and its protection for better survival of its inhabitants

Sixth semester (general)

Practical on map work and interpretation

Syllabus outcome

Through this paper students are able to know about different map reading and map analysis techniques along with develops an idea about satellite imagery and can able to prepare weather maps of India for different season.