Programs Outcomes
(UG)

Objectives	Programme Outcome
To enable students gain requisite knowledge and acquire ability to apply them as and when required	On graduation, the student will have the following abilities: a) A fundamental as well as a higher level of understanding, comprehension, analysis and articulation of concepts studied. b) Will have the ability to identify problems/ issues and come up with creative solutions.

Course Outcomes
SEMESTER - I

	COURSE OBJECTIVES	Papers	Learning Outcome & ATTAINMENT Level
CO 1	The objective is to help students to acquire conceptual knowledge of fundamentals of geomorphic processes, landforms, climate systems and hydrology, enabling them to analyze and explain the interconnectedness of these elements within global ecosystems.	Core-1	The students should understand landform formation, learn how the landforms are created by the interaction of the lithosphere, hydrosphere, biosphere and atmosphere. Conducting geomorphic investigations. Identifying and describing landforms.
CO 2	The objective is it provides a simplified visual representation of physical terrain. Cartography is useful because it encourages spatial visualization of data. It includes the conceptualization of various aspects including extent, scale, projection, themes, skilled survey and its methods data capturing and compilation, analysis and representation.	Core-2	The students will be able to apply the techniques and principles of map making. Students can learn how to design maps they can also learn read and coordinate various sheets to make mosaics.
CO 3	To understand the locations, physiography, climatic conditions and distribution of soils in India.	GE-1	The students understand the country's geography and its impact on the environment, agriculture , and socio economic development. Some learning outcomes of studying India's physiography .

SEMESTER - II

	COURSE OBJECTIVES	Papers	Learning Outcome & ATTAINMENT Level
CO 4	To impart basic knowledge of analyze the complex relationships between humans and their physical and social environments. Identify and analyze the key concepts of human geography and its evolution.	Core-3	Students learn to analyze the earth as a system of human and the environment and how the two interact. Students learn about global human population patterns and how economic activities and settlement influence population distribution and mobility. Students will develop a solid understanding of the concepts of space, place, and region and their importance in explaining world.
CO 5	To gain comprehensive understanding of the earth's atmospheric structure, composition and characteristics, and be able to analyze and interpret climate patterns , factors influencing climate.	CORE-4	Students can learn about the relationship between the atmosphere and surface and how to collect, analyse and interpret climate data and how to use meteorological instruments.
CO 6	To understand the locations, physiography , climatic conditions, and distribution of soils in Odisha. To have a basic knowledge of Odisha's minerals and power resources . population distribution and growth. urbanization and Transport.	GE-2	The students can learn about the Odisha's physical features including it's rivers, lakes, geological formation and physiographic divisions that is coastal plain, central plateaus, river valleys, rolling uplands, mountains etc.

SEMESTER - III

	COURSE OBJECTIVES	Papers	Learning Outcome & ATTAINMENT Level
CO 7	To acquaint themselves with bottom relief of Atlantic, Indian, and Pacific ocean. Temperature and salinity, ocean currents, and sediments deposits. Waves, tides, and currents . Coral reefs and atolls theories of origin.	CORE-5	Student can learn about the ocean's topography, sediment distribution, and resources. They can also learn how to interpret ocean floor features, temperatures and salinity plots, and spatial maps. Students can learn how the ocean regulates the global climate and how human actions impact ocean's conditions.
CO 8	The objectives of these course is to provide the student with an understanding of huge of data in geography; spatial and attribute data , geographical data matrix, descriptive statistics, frequency distribution, measures of central tendency, types of sampling-random, stratified, systematic and purposive.	Core-6	Students would able to understand the importance of data analysis how data is collected and how to apply sampling methods. Students learn how to handle collected data through classifications, tabulation, and stigmatization. Describing and summarizing spatial data. To differentiate between qualitative and quantitative information collection. To present data through graphical and diagrammatic formats. To analyze the variations in spatial and non-spatial data.
CO 9	The objectives of these course is to provide the student with an understanding of the physiographic of Odisha, river system, climate, soil, natural vegetation, agriculture, minerals , and power resources.	CORE-7	The students can learn about the Odisha's physical features including it's rivers, lakes, geological formation and physiographic divisions that is coastal plain, central plateaus, river valleys, rolling uplands, mountains etc. They also get knowledge about the climate of odisha it's soil, natural vegetation, agriculture, minerals and power resources.

CO 10	To acquaint themselves with the composition and structure of atmosphere, insolation and heat budget of the earth, horizontal distribution of temperature and associated factors. Atmospheric pressure, humidity, cyclones and thunderstorm.	GE-3	Students can learn about the relationship between the atmosphere and surface and how to collect, analyse and interpret climate data and how to use meteorological instruments. The science helps people better understand the atmospheric conditions that cause weather patterns and temperature changes over time.

SEMESTER - IV

	COURSE OBJECTIVES	Papers	Learning Outcome & ATTAINMENT Level
CO 11	The objective is to equip students with the Geographical concepts of ancient and medieval period: contribution of Greek, Roman &Indian and Arab scholars.	CORE-8	Students can think critically about different schools of geographical thought and evaluate theoretical concepts. Students can understand dynamic and contested nature of the discipline.
CO 12	To enable the students, have basic knowledge of meaning and scope of economic Geography, classification of economic activities, factors affecting location of economic activity with special reference to agriculture and industry, von Thunen theory of location of agricultural activity and weber's theory of industrial location.	Core-9	This paper will enable the student to learn the scope of economic geography and how it differs from the classification of economic activities. They can learn the key theories , concepts, and debates in economic geography. .
CO 13	To acquaint the students with basic concepts of Environmental Geography concept and scope, types and characteristics of environment. Biotic, Abiotic and cultural, environmental contrast (Global, continental , Local) Environmental control and concept of tolerance .	CORE-10	Students will learn how the physical environment , human societies and economic systems are connected to sustainable data. They can also learn to collect and analyse data to inform policies and strategies.

CO 14	To acquaint the students with the physiography of Himalayas , Indo gangetic plains , peninsular India , climate of India , weather characterstics of SW and NE Monsoon, soil and natural vegetation.	GE-4	Student can understand the location, size , and extent of India in the world and in Asia. Identify India's neabouring countries and their significance.

SEMESTER - V

	COURSE OBJECTIVES	Papers	Learning Outcome & ATTAINMENT Level
CO 15	The objective of this course is to provide basic knowledge of concept of a region, types of region: Formal, functional and planning region, Need for Regional planning , Evolution of regional planning in India during five year plans, characteristics of an ideal planning region.	CORE-11	Students will learn about the key themes , concepts and theoretical approaches related to regional development and planning.
CO 16	To familiarize the students about the concept of Remote sensing and GIS: Definition and components ,EMS, and EMR, wave and particle theory of EMR, type of platforms and sensors . Advantages and limitation of Remote sensing..	Core-12	This paper will enable the students to learn about the theory of Remote sensing and GIS , including sensor systems , cartographic projections and spatial data bases.
CO 17	To familiarize the students with the Nature and scope of population data with special reference to India . Population problems and issues.	DSE-1	Students learn to analyze the earth as a system of human and the environment and how the two interact. Students learn about global human population patterns and how economic activities and settlement influence population distribution and mobility.

CO 18	To enable the students to understand the natural resources : concept types, classification and functional theory of Resources .	DSE-2	Students will learn how to analyze the Earth as an integrated system, and understand the relationship between the environment , resources and decision making processes.

SEMESTER – VI

	COURSE OBJECTIVES	Papers	Learning Outcome & ATTAINMENT Level
CO 19	To acquaint the students with the physiography of Himalayas , Indo gangetic plains , peninsular India , climate of India , weather characterstics of SW and NE Monsoon, soil and natural vegetation	CORE-13	Student can understand the location, size , and extent of India in the world and in Asia. Identify India's neabouring countries and their significance
CO 20	The objective of this course is to familiarize the concept of Hazard and Disasters, Natural manmade Hazards , Types of Hazards , concept of vulnerability and risk , prevention , mitigation and management .	Core-14	Students will learn about the Primary aim of Disaster response and relief are to rescue people from immediate danger , stabilize their physical and emotional condition and restore essential services.
CO 21	To provide a conceptual idea about the Urban Geography : introduction , nature and scope history of urbanization , Trends and patterns of urbanization in developed ,developing countries, world and India.	DSE-3	Students will learn how urban Geography helps people understand the economics of cities and the interdependencies between local, national and international economic development.
CO 22	This course aims at creating Research aptitude among the young Geographers. To enable the students to develop a general understanding of the methodology of research in geography .	DSE-4	The students will learn the field work and research methodology in Geography which will help them to achieve a variety of skills and develop an understanding of geographical concept including geographical thinking, Real world research , Environmental appreciation and personal and social development.