R.L.S.Y. College

Department of Geography

COURSE OUTCOMES [Honours]

The course outcomes of the different papers offered are presented below. After completion of the course the student will be able to:

Course Code	Course Title	Credits	Course Outcomes
CC 1	Geomorphology	(4+2)	• Understand the theories and fundamental concepts of Geomorphology. Understand earth's tectonic and structural evolution. Gain knowledge about earth's interior. Develop an idea about concept of plate tectonics, and resultant landforms. • Acquire knowledge about types of folds and faults and earthquakes, volcanoes and associated landforms. • Understanding crustal mobility and tectonics; with special emphasis on their role in landform development. • Overview and critical appraisal of landform development models. • Identification of rocks and minerals.
CC 2	Oceanography	(4+2)	Describe the three-dimensional distributions of temperature, salt, and momentum in the ocean and explain the oceanic and atmospheric processes that control these distributions. Understand various types of ocean movements like tides, currents and waves.
CP1	Cartographic Techniques		• Understand and prepare different kinds of maps. • Recognize basic themes of map making. • Develop an idea about scale and draw different types of scale like linear, diagonal and vernier. • Acquire knowledge different types of map projection

Course Code	Course Title	Credits	Course Outcomes
CC 3	Human Geography	(4+2)	• Gain knowledge about major themes of human Geography. • Acquire knowledge on the history and evolution of humans. • Understand the approaches and processes of Human Geography as well as the diverse patterns of habitat and adaptations. • Develop an idea about space and society
CC 4	Resource Geography	(4+2)	• Understand the concept and classification of resources • Understand the approaches to resource utilization • Appreciate the significance of resources • Assess the pressure on resources • Analyze the problems of resource3 depletion with special reference to forests, water and fossil fuels • Understand the concept of Sustainable Resource development • Understand the distribution, utilization, problems and management of metallic and non-metallic mineral resources • Analyze the contemporary energy crisis and assess the future scenario • Understand the concept of Limits to Growth, resource sharing and sustainable use of resources
CP 2	Thematic Cartography		Know about diagrammatic data presentation like line, bar and circle. Develop an idea about different types of thematic mapping techniques. Learn to use tabulation of data. Gain knowledge about association and correlation.

Course Code	Course Title	Credits	Course Outcomes
CC 5	Climatology	(4+2)	Understand the elements of weather and climate, different atmospheric phenomena and climate change. • Learn to associate climate with other environmental and human issues. Approaches to climate classification. • To analyze the dynamics of the Earth's atmosphere and global climate. Assessing the role of man in global climate change. • Prepare various climatic maps and charts and interpret them. • Learn to use of various meteorological instruments. • Learn the interaction between the atmosphere and the earth's surface. Understand the importance of the atmospheric pressure and winds. • Understand how atmospheric moisture works.
CC 6	Geography of India	(4+2)	They can know about their own countries land formation, climate and natural vegetation. They understand the economic resources of India. They understand the social distribution of population of their country. Develop an idea about regionalisation of India.
CC 7	Geography of Jharkhand	(4+2)	They can know about their own state's topography, land formation, climate and natural vegetation. They understand the economic resources of Jharkhand . They understand the social distribution of population of the state.
CP 3	Statistical Methods in Geography		Learn the significance of statistics in geography. Understand the importance of use of data in geography Know about different types of sampling.

Course Code	Course Title	Credits	Course Outcomes
CC 8	Economic Geography	(4+2)	• Understand the concept of economic activity, factors affecting location of economic activity. Gain knowledge about different types of Economic activities • Assess the significance of Economic Geography, the concept of economic man and theories of choice. • Analyze the factors of location of agriculture and industries. • Understand the evolution of varied types of economic activities. • Map and interpret data on production, economic indices, transport network and flows.
CC 9	Environmental Geography	(4+2)	Gain knowledge about concept, scope of environmental geography and components of environment. Develop an idea about human-environment relationships. Build an idea about ecosystem. Know about environmental programmes and policies.
CC 10	Population Geography	(4+2)	Understand the nature of population. Know about composition of population, like- age, sex marital status, family, economic composition and language. Analyse the global trend and patterns of population growth in developing countries, and migration patterns. Evaluate the population growth theory and migration theories
CP 4	Instrumental Survey		Brings direct interaction of different types of surveying instruments like Prismatic Compass, Plane table, Dumpy level, Theodolite with environment.

Course Code	Course Title	Credits	Course Outcomes
CC 11	Geographical Thought	(4+2)	• Perceive the evolution of the philosophy of Geography. • Appreciate the contribution of the thinkers in Geography. • Give power point presentations on different schools of geographical thought. • Discussing the evolution of geographical thought from ancient to modern times. • Establishing relationship of Geography with other disciplines and man-environment relationships. • Analyzing modern and contemporary principles of Empiricism, Positivism, Structuralism, Human and Behavioral Approaches in Geography.
CC 12	Settlement Geography	(4+2)	• Acquire knowledge about Rural settlements- Definition, nature and characteristics • Analyze the morphology of rural settlements • Learn the rural house types, census categories of rural settlements and idea of social segregation • Learn the census definition and categories of urban settlements • Analyze the urban morphology models of Burgess, Hoyt, Harris and Ullman • Differentiate between city-region and conurbation • Analyze the functional classification of cities

DSE1	Urban Geography	(5+1)	Understand the nature, scope, approaches and recent trends in Urban Geography • Temporal analysis of urban growth using census data • Trace the origin of urban places over time and analyze the factors, stages and characteristics of these places • Analyze the theories of urban evolution and growth, Hierarchy of urban settlements • Understand the various aspects of urban place : location, site and situation; Rank-size rule and Law of primate city • Understand the concept of urban hierarchies • Understand the patterns of urbanization in developed and developing countries • Understand the ecological processes of urban growth; urban fringe; city-region • Analyze the models on city structure • Identify and analyze the problems of housing, slums and civic amenities • Understand the patterns and trends of urbanization in India • Assess the policies on urbanization in post-liberalized India • Study the changing land use of Delhi, Kolkata and Chandigarh • Learn the technique to plot Rank-Size Rule and establish a hierarchy of urban settlements • Assess state-wise variation and trends of urbanization • Learn to analyze census data to measure urban growth • Develop a skill to prepare urban land use map from satellite images
DSE 2	Social Geography	(5+1)	Evaluate the social issues such as- racism, cast conflict, social distance. Understand the causes of social inequality and their impact on society. Students can understand indicators of social well-being and quality of life. Discuss about the social space, social groups and intra-urban mobility. They can define the cultural region of the world. Students can learn about rural settlement morphology, urban-industrial landscape.
DSE 1 + DSE 2	Geography Project		Student alone or in a group of not more than five, shall undertake one Project approved by the Subject Teacher.

C 11 + C 12	Geography Practical		Students will make an excursion report on any part of India.

Course Code	Course Title	Credits	Course Outcomes
CC 13	Regional Planning and Development	(4+2)	• Understand and identify regions as an integral part of geographical study. • Appreciate the varied aspects of development and regional disparity, in order to formulate measures of balanced development. • Analyzing the concept of regions and regionalization. • Studying typical physiographic, planning, arid and biotic regions of India. Understanding the detailed geography of India. • Gain knowledge about definition of region, evolution and types of regional planning. Develop an idea about choice of a region for planning. • Build an idea about theories and models for regional planning. Know about measuring development indicators.
CC 14	Agriculture Geography	(4+2)	Focuses on the concept of agricultural geography; Cultivation and their association with different natural and human conditions of the following cereal crops: wheat, rice; plantation crops: rubber; agricultural systems of the world; commercial grazing –cattle and sheep rearing.
DSE 3	Political Geography	6	After studying, students will be able to: 1. Learn the concept of nation and state and geopolitical theories. 2. Understand the different dimensions of electoral geography and resource conflicts. 3. Have sound knowledge of politics of displacement, focusing on water sharing disputes.

DSE 4	Bio Geography	6	• Understand the varied ecosystems and classify them. • Recognize the significance of biogeochemical cycles and biodiversity. • Comprehend the devastating impact of deforestation • Understand the genetic soil classification and U.S.D.A. soil taxonomy. • Students can learn the scope and significance of biogeography. Also know, factors affecting the growth and distribution of natural vegetation. • They also gather knowledge about biome, ecotone and community, types and component parts of ecosystem, bio-energy cycle, food chain and trophic level. This can help them to predict the future change of biogeographical components. • They can illustrate the importance about bio-diversity and wetlands.
DSE 3+ DSE 4	Geography Project		Student alone or in a group of not more than five, shall undertake one Project approved by the Subject Teacher.
C13 + C14	Geography Practical		Student alone or in a group of not more than five, shall undertake one Project Dissertation approved by the Subject Teacher.

DEPARTMENT OF GEOGRAPHY
PROGRAMME SPECIFIC OUTCOMES

Geography mainly concerns changes in spatial attributes in a temporal perspective. The Honours programme in geography is tailored to meet the students' specific educational and professional goals in mind. It focuses on spatial studies, qualitative as well as quantitative, and emphasises on human-environment relationship. During the first year of the programme, the students are trained on advanced concepts of physical and human geography. The third year allows them to concentrate on specific areas of the subject, on which they complete their field reports. After completing the course, the students will be amply prepared for professional careers in geography and allied disciplines like GIS and Remote Sensing. They will also be able to pursue M.A. /M.Sc. Course in Geography.

PSO1. Acquireing Knowledge of Physical Geography:

Student will gain the knowledge of physical geography. Student will have a general understanding about the geomorphological and geotechnical process and formation. They will be able to correlate the knowledge of physical geography with the human geography.

PSO2. Acquireing Knowledge of Human Geography:

They will be able to acquire the knowledge of Human Geography and will correlate it with their practical life.

PSO3. Ability of Problem Analysis:

Student will be able to analyse the problems of physical as well as cultural environments of both rural and urban areas. Moreover they will try to find out the possible measures to solve those problems.

PSO4.Conduct Social Survey Project:

They will be eligible for conducting social survey project which is needed for measuring the status of development of a particular group or section of the society.

PSO5. Application of modern instruments:

Students will be able to learn the application of various modern instruments and by these they will be able to collect primary data.

PSO6. Application of GIS and modern Geographical Map Making Techniques:

They will learn how to prepare map based on GIS by using the modern geographical map making techniques.

PSO7. Development of Observation Power:

As a student of Geography Honours Course they will be capable to develop their observation power through field experience and in future they will be able to identify the socio-environmental problems of a locality.

PSO8. Development of Communication Skill and Interaction Power:

After the completion of the project they will be efficient in their communication skill as well as power of social interaction. Some of the students are being able to understand and write effective reports and design credentials, make effective demonstrations, and give and receive clear instructions.

PSO9.Enhancement of the ability of Management:

Demonstrate knowledge and understanding of the management principles and apply these to theirs own work, as a member and leader in a team, to manage projects. They will perform effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PSO10. Understand Environmental Ethics and Sustainability:

Understand the impact of the acquired knowledge in societal and environmental contexts, and demonstrate the knowledge of need for sustainable development.

PSO11.Life-long learning:

Identify the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of societal and environmental change.

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