BA / BSc / BCom - Program Outcomes

On completion of undergraduate programme, the student is expected to achieve the following programme outcomes

PO1	Knowledge (Remembering)	Demonstrate basic factual and procedural
		knowledge in the chosen field of study.
		• Recall and recognize key concepts, terms,
		and theories.
		Summarize and explain fundamental
		principles and historical developments.
PO2	Comprehension(Understanding)	• Interpret and explain the significance of
		information and concepts.
		Translate complex ideas into simpler
		terms for understanding.
		Compare and contrast different theories
		or viewpoints within the discipline.
PO3	Application (Applying)	Apply theoretical knowledge to practical
		situations or real-world problems.
		Use appropriate methods and techniques
		to solve discipline-specific problems.
		Demonstrate the ability to implement Demonstrate the ability the ability to implement Demonstrate the ability the ability to implement D
		concepts in hands-on experiences or internships.
PO4	Analysis (Analyzing)	Break down complex issues into their
104	/marysis (/maryzing)	component parts.
		• Identify patterns, relationships, and
		causes within the discipline.
		• Evaluate the validity of arguments and
		evidence.
PO5	Synthesis (Creating)	Integrate knowledge from various sources
		to develop innovative solutions.
		 Design and create original projects,
		research, or products.
		• Generate new ideas, hypotheses, or
		theories within the field.
PO6	Evaluation (Evaluating)	Assess the quality and reliability of
		information and data.
		Critically evaluate the strengths and
		weaknesses of different approaches.
		Make informed judgments and
		recommendations based on evidence.

B.A. Geography - Programme Specific Outcome (PSO)

On completion of undergraduate programme, the student is expected to achieve the following programme specific outcomes:

PSO1	To explore the fundamental concepts of the atmosphere, oceans and the Earth
	surface.
PSO2	To familiarize the students with the basic map making and reading techniques.
PSO3	To give the students general view and importance of man and environment
	relationship
PSO4	To refrain the theoretical knowledge of students of "what, where and why" in
	geography through field survey.
PSO5	To make them understand various aspects of human geography especially races,
	religion, cultural regions and population.

B.A. Geography - Course Outcomes (CO)

Semester	Course	Course Title	Course	Course
	Code		Outcome	Outcome
			Code	
1	CC-1	GEOMORPHOLOGY	CO1	Understanding of the conceptual
				and dynamic aspects of landform
				development (introductory
				concepts of geomorphology)
			CO2	Role of plate tectonics in the
				landscape formation
			CO3	Overview of Indian
				Geomorphology
			CO4	To describe the exogenous and
				endogenous process in the land
				scope, landform developmentand
				distinguish mechanisms that
				control these processes.
			CO5	Acquire knowledge about types
				of folds and faults and
				earthquakes, volcanoes and
				associated landforms.
1	CC-2	OCEANOGRAPHY	CO1	Understanding the basic
				principles and concepts in
				Oceanography
			CO2	Introductory concept of Physical
				aspects of Ocean

			CO3	Gain knowledge about properties
				of ocean water and Waves,
				Currents and Oceanic tides.
			CO4	Identify marine resources and
				characteristics of ocean waters.
			CO5	First order idea about the marine Life and the Environment
2	CC-3	HUMAN	CO1	Gain knowledge about major
		GEOGRAPHY		themes of human geography.
			CO2	Develop an idea about space and society.
			CO3	Build an idea about population
				growth and distribution of
				population.
			CO4	Know about population – resource relationship
			CO5	Understanding the Classification of Settlements.
2	CC-4	RESOURCE	CO1	Understand the concept and
		GEOGRAPHY		classification of resources
			CO2	Understand the approaches to resource utilization
			CO3	Understand the distribution, utilization, problems and management of Land, Water, Forest and Energy Resources.
			CO4	Understand the concept of Sustainable Resource development
			CO5	Understanding the Appraisal and Conservation of Natural Resource
3	CC-5	CLIMATOLOGY	CO1	Understand the elements of weather and climate, different atmospheric phenomena and climate change.
			CO2	Learn the interaction between the atmosphere and the earth's surface.
			CO3	Understand the importance of the atmospheric pressure and winds.
			CO4	Understand how atmospheric
				moisture works.
			CO5	Develop an idea about cyclones
		1	1003	Develop all faca about cyclones

				and Monsoon.
3	CC-6	GEOGRAPHY OF	CO1	Learn the differences in terms of
		INDIA		varied physiography and
				Structure of India.
			CO2	Understanding about India's land
				formation, Drainage, Soil,
				Climate and natural vegetation.
			CO3	Study the economy and various
				types of resources, its distribution
				and utilization in India.
			CO4	Understanding the social
				distribution of population of of
				India.
			CO5	Develop an idea about
				regionalisation of India.
3	CC-7	GEOGRAPHY OF	CO1	Learn the differences in terms of
		JHARKHAND		varied physiography and
				Structure of Jharkhand
			CO2	Understanding about Jharkhand's
				land formation, Drainage, Soil,
				Climate and natural vegetation.
			CO3	Study the economy and various
				types of resources and Industries
				of Jharkhand.
			CO4	Understanding the social
				distribution of population and
				tribes of Jharkhand State.
			CO5	Develop an idea about
				regionalisation of Jharkhand.
4	SEC-2	HYDROLOGY	CO1	Analyse the concepts of Hydrology
			CO2	Emphasizing the significance of
				groundwater quality and its
			aca	circulation
			CO3	Evaluate the role of the global
			CO4	hydrological cycle Interpret hydrological and
				rainfall dispersion graphs and
				diagrams.
			CO5	Know about Flood and Droughts.
4	CC-8	ECONOMIC	CO1	Understand the concept of
		GEOGRAPHY		economic activity, factors
				affecting location of economic
				activity. Gain knowledge about

				different types of Economic
				activities
			CO2	Assess the significance of
			CO2	Economic Geography, the
				concept of economic man and
				theories of choice.
			CO3	Analyze the factors of location of
			003	agriculture and industries.
			CO4	Understand the evolution of
			CO4	varied types of economic
				activities.
			CO5	Map and interpret data on
			CO3	
				production, economic indices, transport network and flows.
4	CC-9	ENVIRONMENTAL	CO1	
 4	CC-9	GEOGRAPHY	COI	Gain knowledge about concept, scope of environmental
		GEOGRAFIII		_
				geography and components of environment.
			CO2	Develop an idea about human-
			CO2	_
			CO3	environment relationships.
				Build an idea about ecosystem. Know about environmental
			CO4	
			COF	programmes and policies.
			CO5	Know about Environmental
				Problems in Tropical ,Temperate
1	CC-10	DODIH ATION	CO1	and Polar Ecosysytem.
4	CC-10	POPULATION	COI	Understand the nature and scope
		GEOGRAPHY	CO2	of population.
			CO2	Know about composition of
				population, like- age, sex marital
				status, family, economic
			CO2	composition and language.
			CO3	Analysethe population Size,
				Distribution and Growth and
			GO 4	Population Growth Theories.
			CO4	Gain knowledge different aspects
			005	of population geography.
			CO5	Understanding the Contemporary
				Issues – Ageing of Population,
	90.11	GROGE LETTICAL	go.	Declining Sex Ratio.
5	CC-11	GEOGRAPHICAL	CO1	Perceive the evolution of the
		THOUGHT	965	philosophy of Geography
			CO2	Appreciate the contribution of the

				thinkers in Geography.
			CO3	Discussing the evolution of
				geographical thought from
				ancient to modern times.
			CO4	Establishing relationship of
				Geography with other disciplines
				and man-environment
				relationships.
			CO5	Analyzing modern and
				contemporary principles of
				Empiricism, Positivism,
				Structuralism, Human and
				Behavioral Approaches in
				Geography
5	CC-12	SETTLEMENT	CO1	Acquire knowledge about
		GEOGRAPHY		settlements- Definition, nature
				and characteristics
			CO2	Analyze the morphology of rural
				and Urban settlements
			CO3	Learn the rural house types,
				census categories of rural
				settlements and idea of social
				segregation
			CO4	Acquire the knowledge spatial
				organization and Hierarchy of
				Settlement.
			CO5	Analyze the functional
				classification of cities and towns,
				rural Urban Fringe.
5	DSE-1	URBAN	CO1	Understand the nature, scope,
		GEOGRAPHY		approaches and recent trends
				inUrban Geography
			CO2	Understand the patterns of
				urbanization in developed and
				developing countries.
			CO3	Understand the Functional
				Classification of the Cities.
			CO4	Gain the knowledge about Urban
				Issues.
			CO5	Study the changing land use of
				Delhi, Kolkata and Chandigarh,
				Mumbai, Chennai.
5	DSE-2	SOCIAL	CO1	Understand the nature, scope,

		GEOGRAPHY		approaches and recent trends in
			COS	Social Geography
			CO2	Study the Peopling Process of
				India – Technology and
				Occupational Change and
				Migration.
			CO3	Identifying Social Categories:
				Caste, Class, Religion, Race and
				their spatial distribution.
			CO4	Understand the Welfare and Well
				Being Concept: Healthcare,
				Housing and Education.
			CO5	Inclusion and Exclusion of Social
				Geographies, Slums, Communal
				Conflicts and Crime.
6	CC-13	REGIONAL	CO1	Understand the evolution and
		PLANNING &		types of Regional Planning and
		DEVELOPMENT		need for regional planning.
			CO2	Recognize the Choice of a
				Region for Planning and
				Understand the Regionalization
				of India for Planning
			CO3	Build an idea about theories and
				models for regional planning.
			CO4	Know about the changing
				Concept of development and
				under development.
			CO5	Studying the indicators for
				Human Development
	CC-14	AGRICULTURAL	CO1	Understand the nature, scope,
		GEOGRAPHY		approaches and recent trends in
		GEOGRAIII		agricultural geography and land
				use / land cover definition and
				classification.
			CO2	
			1002	To gain the knowledge about
				determinants of agriculture –
				Physical, Technological and Institutional.
			CO2	
			CO3	To Understand the agricultural
				region of India – Agro climatic,
				agro -ecological and crop
			60:	combinations.
			CO4	To gain the knowledge about the

				agricultural systems of the world
				and Agricultural Land use model
			CO5	Understand Agricultural
				Revolutions in India: Green,
				White, Blue, Pink
6	DSE-3	POLITICAL	CO1	Understand the nature, scope,
		GEOGRAPHY		approaches and recent trends in
				Political geography
			CO2	Learn the concept of nation and
				state and geopolitical theories.
			CO3	Understand the different
				dimensions of electoral
				geography and resource conflicts
			CO4	Have sound knowledge of
				politics of displacement
			CO5	Understand the resources
				conflicts focusing on water
				sharing disputes, forest and minerals.
	DSE-4	BIOGEOGRAPHY	CO1	Understand the concept of
				Biogeography
			CO2	Learn the concept of Evolution of
				Plants and Animals - –
				Adaptation, Dispersal,
				Colonization and Extinction
			CO3	Have sound knowledge of
				Factors Affecting the Community
				– Plant Succession, Arresting
				Factors, Vegetation Climax.
			CO4	Study the Concept of Biomes –
				Forest, Grassland, Desert and
				Mountain.
			CO5	Understandthe Biodiversity –
				Preservation and Conservation.

Practicals

Laboratory provides a wide space for students to nurture their hidden scientific potential, creative thinking and systematic analyzing skills. Through B. Sc. Zoology programme, students will realize how theory, experiment and observation are mutually correlated and help each other to expand the frontiers of knowledge of the physical universe. By conducting various experiments, students will be able to internalize a number of skills and they will be benefited in life in many ways as follows:

CONSOLIDATED STRUCTURE OF MODEL I PRACTICALS

FOR SEMESTERS I - VI

Semester	Title of the Practical	CO	COURSE OUTCOME
Sem-1	GEOMORPHOLOGY	CO1	Develop an idea about scale and draw different
			types of scale like linear, diagonal and vernier.
			Gain knowledge about topographical maps and
			apply this knowledge in ground surface.
	OCEANOGRAPHY	CO2	Acquire knowledge different types of map
			projection and Maps Projections.
Sem-2	HUMAN	CO1	Know about diagrammatic data presentation
	GEOGRAPHY		like line, bar and circle.Develop an idea about
			different types of thematic mapping techniques
			and preparation and Interpretation.
	RESOURCE	CO2	Acquire the Cartographic Overlays – Point,
	GEOGRAPHY		Line and Areal Data.
Sem-3	CLIMATOLOGY	CO1	Learn to use of data in Geography, Scales of
			Measurement and Tabulation and Descriptive
			Statistic.To familiarize the students with the
			weather instruments and their applications in
		~~	Geographical phenomena
	GEOGRAPHY OF	CO2	Acquire the Knowledge of Association and
	INDIA		Correlation and Sampling and
	GEOGRAPHY OF	GOA	Dispersion, Scattered diagram, Frequency
	GEOGRAPHY OF	CO3	Know about the Central Tendency.
C 4	JHARKHAND	CO1	
Sem-4	ECONOMIC	CO1	Gain knowledge about representation of state
	GEOGRAPHY		wise variation in occupational structure and
			work participation rate using proportional
			circles and proportional divided circles and also
			composite index. They can know about
			transport network analysis.
	ENVIRONMENTAL	CO2	They can know how prepare a questionnaire on
	GEOGRAPHY		the basis of perception survey on environmental
			problems.
			Gain knowledge about doing project on
			environmental problem
	POPULATION	CO3	Brings direct interaction of different types of

	GEOGRAPHY		surveying instruments like Prismatic Compass, Plane table, Dumpy level, Theodolite with environment.Gain knowledge about geological maps and drawing of sections and interpretations of the relief and structure of the geological maps.Gain hands-on experience of GPS
Sem-5	GEOGRAPHICAL THOUGHT	CO1	They can know about the quantitative techniques in geography. Gain knowledge about crop combination by Weber, Rafiulla and Doi.
	SETTLEMENT GEOGRAPHY	CO2	Learn the significance of field work in geographical studies. Understand the meaning of field and identifying the case study. They can understand Landforms and settlement, Social, Cultural Aspects, Urban and rural environment of any part of India.
Sem-6	REGIONAL PLANNING & DEVELOPMENT	CO1	They can know about delineation of formal regions by weighted index method and also delineation of functional regions by breaking point analysis. Gain knowledge about measuring inequality by Location Quotient, and also measuring regional disparity by Sopher Index.
	AGRICULTURAL GEOGRAPHY	CO2	To enable students to apply Previously knowledge in Problems and Prospects in agriculture. To Familiarize the students with new modern technical methods and their applications in Agricultural activities.