

**COURSE OUTCOME, PROGRAMME OUTCOME
AND
PROGRAMME SPECIFIC OUTCOME**

**DEPARTMENT OF GEOGRAPHY
RANIGANJ GIRLS' COLLEGE**

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TABLE 1: KAZI NAZRUL UNIVERSITY COURSE OUTCOME

COURSE CODE	COURSE TITLE	COURSE TYPE	COURSE OUTCOME
UG SEMESTER I (HONOURS)			
BSCHGEOC101	Geo-tectonics and Geomorphology	Core (Theory)	The students learn about the theories of landform development and the endogenic processes responsible for creating irregularities on the earth's surface
BSCHGEOC102	Fundamentals of Practical Geography	Core (Practical)	The students develop a clear understanding of the concept of scale, its calculation and construction. They develop a clear understanding of the underlying geological structures and have a hands-on training of identification of rocks from the field.
BSCHGEOGE101	Disaster Management	Generic Elective (Theory)	The students learn about the concepts of disaster and hazards and their management with example from India.
UG SEMESTER II (HONOURS)			
BSCHGEOC201	Geomorphology and Oceanography	Core (Theory)	The students learn about the processes of weathering and mass wasting and their resultant landforms. They learn about the exogenous processes and their resultant landforms. They understand about the characteristics of ocean water, marine sediments, tides, their characteristics and the

			theories of origin.
BSCHGEOC202	Map Projection and Surveying	Core (Practical)	The students understand the concepts of projection, their methods of calculation and construction. They have hands-on experience of field measurements using survey instruments such as prismatic compass, dumpy level and transit theodolite
BSCHGEOGE201	Climate Change, Adaptability and Vulnerability Assessment	Generic Elective (Theory)	The students understand the basic concepts of weather and climate, concept, theories, evidences and impact of climate change
UG SEMESTER III (HONOURS)			
BSCHGEOC301	Climatology	Core (Theory)	The students understand the mechanism and processes of weather and climate. They learn about the climates of the world their types and distribution.
BSCHGEOC302	Soil and Biogeography	Core (Theory)	The students learn about the concept of soil, their physical and chemical properties, classification, soil erosion, conservation and management. They develop an understanding of the basic concepts of ecology.
BSCHGEOC303	Weather Data Recording and Soil Testing	Core (Practical)	The students develop a clear understanding of the preparation of a station model and its

			interpretation. They learn how to record readings from weather instruments and determine soil properties based on laboratory experiments.
BSCHGEOSEC301	Remote Sensing Techniques	Skill Enhancement Course (Practical)	The students learn the concepts of Remote Sensing, GIS and GPS. They learn how to prepare a land use map using Aerial Photographs. They learn how to classify satellite image and prepare FCC using open source software. They learn how to determine location of a point on the earth's surface using GPS.
BSCHGEOGE301	Tourism and Development	Generic Elective (Theory)	The students understand the concept of tourism, its types and recent trends. They learn about the relationship between tourism and development and the infrastructure required for tourism.
UG SEMESTER IV (HONOURS)			
BSCHGEOC401	Geographical Thought	Core (Theory)	The students develop an idea about the development of geography through different periods. They understand about the different schools of geographical thought.
BSCHGEOC402	Economic and Social Geography	Core (Theory)	The students understand the

			concept of resource and its classification. They learn about the types of agriculture and major industries. They also learn the definition, nature, scope and content of social geography.
BSCHGEOC403	Thematic Maps and Diagrams	Core (Practical)	The students develop experience in preparation of different types of thematic maps and diagrams.
BSCHGEOSEC401	Geographic Information System	Skill Enhancement Course (Practical)	The students learn the application of GIS software for preparation of maps using open source software
BSCHGEOSEC402	Research Methods	Skill Enhancement Course (Theory)	The students develop understanding of research and its methodology
BSCHGEOGE401	Rural Development	Generic Elective (Theory)	The students understand the various aspects of rural development.
UG SEMESTER V (HONOURS)			
BSCHGEOC501	Settlement Geography	Core (Theory)	The students learn about the concept of settlement and types, nature and content of settlement geography and theories related to settlements.
BSCHGEOC502	Statistical Techniques	Core (Practical)	The students learn basic as well as advanced statistical methods.
BSCHGEODSE501	Population Geography	Discipline Specific Elective (Theory)	In Population Geography the students learn about the various aspects of demographic studies.

BSCHGEODSE502	Resource Geography	Discipline Specific Elective (Theory)	In Resource Geography the students learn about the concept of resource, classification and different sources of resource.
BSCHGEODSE503	Urban Geography	Discipline Specific Elective (Theory)	In Urban Geography the students develop understanding about the concept of urban area, classification and theories of urban structure.
BSCHGEODSE504	Agriculture Geography	Discipline Specific Elective (Theory)	In Agriculture Geography the students learn about the origin of agriculture, characteristics of agricultural regions, models of agricultural location etc.
BSCHGEODSE505	Geography of Tourism	Discipline Specific Elective (Theory)	In Geography of Tourism the students learn about the development of geography of tourism as a separate discipline, concepts and types of tourism, factors affecting tourism and impact of tourism on local economy and culture.
UG SEMESTER VI (HONOURS)			
BSCHGEOC601	Regional Geography of India and West Bengal	Core (Theory)	The students learn about the physical, economic and demographic aspects of India and West Bengal
BSCHGEOC602	Topographical Sheet and Weather Map	Core (Practical)	The students learn the principles of

	Interpretation		toposheet numbering, various morphometric techniques and their interpretation. They also learn to interpret weather map prepared by Indian Meteorological Department.
BSCHGEODSE601	Land Use and Land Use Planning	Discipline Specific Elective (Theory)	In Land Use and land Use Planning the students learn about the concept of land, its various uses and planning.
BSCHGEODSE602	Political Geography	Discipline Specific Elective (Theory)	In Political Geography the students learn the various concepts of political geography
BSCHGEODSE603	Hydrology	Discipline Specific Elective (Theory)	In Hydrology the students learn about the nature, scope content and relevance of hydrology and hydrological cycle.
BSCHGEODSE604	Social and Cultural Geography	Discipline Specific Elective (Theory)	In Social and Cultural Geography, the students learn different concepts related to social and cultural geography.
BSCHGEODSE605	Environmental Geography	Discipline Specific Elective (Theory)	In Environmental Geography the students learn about the meaning of environment, air and water pollution, man-environment relationship, forest management etc.

UG SEMESTER I (PROGRAM)

BSCPGEOC101	Geo-tectonics and Geomorphology	Core (Theory)	The students learn about the theories of the origin of the earth, internal structure of the earth, origin, classification and characteristics of rocks, theories of landform development and exogenous processes and their associated landforms.
UG SEMESTER II (PROGRAM)			
BSCPGEOC201	Climatology and Soil Geography	Core (Theory)	The students learn about the structure of the atmosphere and atmospheric disturbances. They also learn about the physical and chemical properties of soil, soil profile development, causes of soil erosion and methods of soil conservation.
UG SEMESTER III (PROGRAM)			
BSCPGEOC301	Economic Geography	Core (Theory)	The students learn about the different types of economic activities, different types of industries, industrial location theory etc.
BSCPGEOSEC301	Cartographic Application	Skill Enhancement Course (Practical)	The students learn about different cartographic methods: construction of scales, map projections, choropleth and isopleth methods. They have hands on experience of field

			measurements using prismatic compass and dumpy level.
UG SEMESTER IV (PROGRAM)			
BSCPGEOC401	Human Geography	Core (Theory)	The students learn about the nature, scope of Human Geography, concept of settlements, causes and types of migration etc.
BSCPGEOSEC401	Toposheet Interpretation (1:50000), Weather Map Interpretation and Forecasting	Skill Enhancement Course (Practical)	The students learn the principles of toposheet numbering, various morphometric techniques and their interpretation. They also learn to interpret weather map prepared by Indian Meteorological Department.
UG SEMESTER V (PROGRAM)			
BSCPGEODSE501	Geography of India and West Bengal	Discipline Specific Elective (Theory)	The students learn about the physical, economic and demographic aspects of India and West Bengal
BSCPGEODSE502	Industrial Geography	Discipline Specific Elective (Theory)	The students learn about the factors of industrial location, industrial regions of India, Industrial policy of India and environmental impact of industrialization.
BSCPGEOSEC501	Field Techniques and Survey based Project Report	Skill Enhancement Course (Practical)	The students learn how to prepare questionnaire, prepare tour plan, prepare land use map and determine soil status based on laboratory

			experiments
BSCPGEOSEC502	GIS based Project Report	Skill Enhancement Course (Practical)	The students learn about the basic concepts of remote sensing, GIS and GPS. They learn to locate a point using GPS and georeference scanned maps and images using open source software.
BSCPGEUGE501	Disaster Management	Generic Elective (Theory)	The students learn about the concepts of disaster and hazards and their management with example from India.
BSCPGEUGE502	Climate Change	Generic Elective (Theory)	The students understand the basic concepts of weather and climate, concept, theories, evidences and impact of climate change
UG SEMESTER VI (PROGRAM)			
BSCPGEODSE601	Environmental Geography	Discipline Specific Elective (Theory)	The students learn about meaning of environment, population growth and environmental degradation, environmental hazards and disasters etc
BSCPGEODSE602	Applied Climatology	Discipline Specific Elective (Theory)	The students learn about the definition and scope of applied climatology, impact of climate on agriculture, house types, influence of human activities on climate etc.
BSCPGEOSEC601	Statistical Data Analysis	Skill Enhancement Course (Practical)	The students learn basic statistical methods.
BSCPGEOSEC602	Land Surveying by	Skill Enhancement	The students learn

	Plane Table, Dumpy Level and Prismatic Compass	Course (Practical)	field surveying using instruments
BSCPGEUGE601	Geography of Tourism	Generic Elective (Theory)	The students learn about the development of geography of tourism as a separate discipline, concepts and types of tourism, factors affecting tourism and impact of tourism on local economy and culture.
BSCPGEUGE602	Rural Development	Generic Elective (Theory)	The students understand the various aspects of rural development.

TABLE 2: PROGRAMME OUTCOME

YEAR	LEARNING OUTCOME
First Year	<p>The students develop an understanding of the types of rocks, geological structures, landform evolution on different types of structure and endogenous processes effecting the earth's surface.</p> <p>They develop an understanding of the concept and types of scale and map projection.</p> <p>They develop an understanding of the exogenous processes effecting the earth's surface. They develop knowledge of field measurements using instruments.</p>
Second Year	<p>The students understand the mechanism and processes of weather and climate. They learn about the climates of the world their types and distribution.</p> <p>The students learn about the concept of soil, their physical and chemical properties, classification, soil erosion, conservation and management. They develop an understanding of the basic concepts of ecology.</p> <p>The students learn the concepts of Remote Sensing, GIS and GPS. They learn how to prepare a land use map using Aerial Photographs.</p>

	<p>The students develop an idea about the development of geography through different periods.</p> <p>The students understand the concept of resource and its classification. They learn about the types of agriculture and major industries. They also learn the definition, nature, scope and content of social geography.</p> <p>The students develop understanding of research and its methodology.</p>
Third Year	<p>The students develop an understanding of the concepts of settlement and types, nature and content of settlement geography and theories related to settlements.</p> <p>The students develop a clear understanding of the basic as well as advanced statistical methods.</p> <p>They develop a clear understanding of demographic attributes, resources, concepts of urban geography, agriculture and tourism.</p> <p>The students develop a clear understanding of the physical, economic and demographic aspects of India and West Bengal</p> <p>The students develop a clear understanding of the principles of toposheet numbering, various morphometric techniques and their interpretation.</p> <p>They also develop a clear idea about how to interpret weather map prepared by Indian Meteorological Department.</p> <p>They develop a clear understanding of the concepts of hydrology, environmental issues, political geography, social and cultural issues and land use and its planning.</p>

TABLE 3: PROGRAMME SPECIFIC OUTCOME

YEAR	LEARNING OUTCOME
First Year	<p>The students can identify the geological structures and rocks from the field.</p> <p>They can measure heights of objects, prepare contour maps etc.</p> <p>They develop a clear understanding of the different types of scale and their utilities.</p> <p>They develop clear understanding of different types of map projection and their</p>

	<p>utilities.</p> <p>They develop a clear understanding of both the endogenous and exogenous processes effecting the surface of the earth.</p>
Second Year	<p>The students can prepare a station model based on weather data and interpret it.</p> <p>They can record readings from weather instruments and interpret those readings to determine the weather conditions.</p> <p>They can also determine properties of soil (collected from the field) based on laboratory experiments.</p> <p>They can prepare land use maps from Aerial Photographs. They can classify satellite images and prepare FCC using open source software. They can determine location of a point on the earth's surface using GPS.</p> <p>The students can prepare different types of thematic maps and diagrams based on data.</p> <p>The students can prepare thematic maps using open source software.</p>
Third Year	<p>The students develop a clear understanding of classification and tabulation of different types of data, their calculation and statistical interpretations.</p> <p>They can apply various morphometric techniques to interpret the topography of an area and prepare thematic maps based on the data obtained from topographical sheets.</p> <p>They can interpret the weather conditions from weather maps prepared by Indian Meteorological Department.</p>