

MILLIAL-AMEEN COLLEGE (For girls)

DEPARTMENT OF GEOGRAPHY

UG (B.A./B.Sc. GENERAL) - CBCS CURRICULUM (2018-2023)

(UNDER THE UNIVERSITY OF CALCUTTA)

Programme Outcomes (PO):

- ❖ **PO1. Problem Analysis and Critical Thinking:** The curriculum is aimed to inculcate problem solving ability, scientific thinking and knowledge of students. Students are expected to achieve critical thinking ability to design, carry out, record and analyse the results of different scientific experiments.
- ❖ **PO2 – Design/Development:** This programme is focused on designing solutions for complex geo-science problems and design system components, processes to meet the specifications with consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- ❖ **PO3. Laboratory Skill and Instrumentation:** This set of courses is intended to teach students' theoretical knowledge of instruments, method of use and their analytical applications in diverse fields such as academia, research or industrial applications which enhance the students' practical knowledge.
- ❖ **PO4. Environment and sustainability:** Students become very familiar with various environmental issues and their impact on whole planet which makes them sensible to acquire the knowledge of protection and conservation of environment and need for sustainable development.
- ❖ **PO5. Life-long Learning:** This programme recognized the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Course Outcomes (CO):

SEMESTER	PAPER	COURSE	OUTCOMES
SEM-1	GEO-G-CC1-01-TH (Physical Geography)	CO1	<ul style="list-style-type: none"> To know essential knowledge about geotectonic which is related to earth's interior. To learn about the geomorphological processes which shape the landforms over the earth surface. To study about the basic concept of hydrology and oceanography.
	GEO-G-CC1-01-P (Physical Geography Lab)	CO2	<ul style="list-style-type: none"> To learn practically how to identify mineral and rock samples. To learn about physiographic and drainage information from topographical maps.
SEM-2	GEO-G-CC-2-02-TH (Environmental Geography)	CO3	<ul style="list-style-type: none"> To understand detail about climatology, soil geography and biogeography.
	GEO-G-CC-2-02-P (Environmental Geography Lab)	CO4	<ul style="list-style-type: none"> To learn about how to interpret daily weather map. To learn about the construction and application of climograph, hythergraph and wind rose map. To learn about the determination of soil type by ternary diagram and preparation of biodiversity register
SEM-3	GEO-G-CC-3-03-TH (Human Geography)	CO5	<ul style="list-style-type: none"> To learn about basic concepts of economic geography. To know the elementary perception about social and cultural geography
	GEO-G-CC-3-03-P (Human Geography Lab)	CO6	<ul style="list-style-type: none"> Learn proportional divided circle using occupational structure.

			<ul style="list-style-type: none"> • To study the process and application of time series analysis. • Learn how to measure arithmetic growth rate of population and nearest neighbor analysis for settlements.
SEM-4	GEO-G-CC-4-04-TH (Cartography)	CO7	<ul style="list-style-type: none"> • To learn in detail about the concept of map scale and map projection. • To know in detail about the analysis of topographic map, thematic map and basic concepts of surveying instruments and method.
	GEO-G-CC-4-04-P (Cartography Lab)	CO8	<ul style="list-style-type: none"> • To learn the graphical construction of scales, map projection and thematic maps. • To study the preparation of thematic overlays from satellite imageries.
SEM-5	GEO-G-DSE-A-5-01-TH (Regional Development)	CO9	<ul style="list-style-type: none"> • To learn about concept of agricultural system. • To get an idea about regionalisation of agricultural patterns.
	GEO-G-DSE-A-5-01-P (Regional Development Lab)	CO10	<ul style="list-style-type: none"> • To learn delineation of regions. • To analyse the sphere of influence by gravity model. • To know the analysis of measurement of inequality of lorenz curve and location quotient. • To learn how to prepare Z-score and composite index.
SEM-6	GEO-G-DSE-B-6-03-TH: (Agricultural Geography)	CO11	<ul style="list-style-type: none"> • To learn about concept of agricultural system. • To get an idea about regionalisation of agricultural patterns.
	GEO-G-DSE-B-	CO12	<ul style="list-style-type: none"> • To study how to prepare crop

	6-03-P (Agricultural Geography Lab)		<p>calendar using ergograph.</p> <ul style="list-style-type: none"> • To learn how to prepare crop combination regions by weaver. • To get the detail knowledge about the process of determination and mapping of crop intensity and crop diversity.
SEM-3/5	GEO-G-SEC-A-01-TH (Coastal Management)	CO13	<ul style="list-style-type: none"> • To learn about coastal zones and coastal morphodynamics. • To know about coastal hazards and their managements. • To get an elaborated idea about coastal zone managements in India.
SEM-4/6	GEO-G-SEC-B-03-TH (Rural Development)	CO14	<ul style="list-style-type: none"> • To study the basic concepts of rural development and paradigms of rural development. • To learn the area based approach to rural development and knowledge about rural governance.

PO-CO Mapping

PO CO	PO1	PO2	PO3	PO4	PO5
CO1					✓
CO2	✓				
CO3				✓	✓
CO4	✓			✓	
CO5	✓				✓
CO6	✓			✓	
CO7	✓				✓
CO8	✓		✓		
CO9		✓		✓	✓
CO10		✓	✓		
CO11	✓	✓			✓
CO12		✓	✓	✓	
CO13	✓			✓	✓
CO14	✓	✓			

