

Department of Geography
SDM Govt. PG College Doiwala, Dehradun
Department of Geography

B.A. Geography
Programme Outcome (PO)

The undergraduate programme in college is based on annual system. Upon successful completion of the program the graduate students would be able to:

- Have an overall understanding of all the relevant basic concepts and theoretical perspectives in different domains of Geography.
- To be able to establish cause and effect relationship between various existing global and local geographical phenomena through development of core substantive understanding of various geographical domains.
- Understand how to collect, retrieve, analyze and interpret empirical geographical information.
- To develop practical observational learning skills. To be able to handle practical equipments and cartographic tools.
- Analyze and apply the skills in understanding day to day geographical phenomena and ecological systems around them.
- Express the geographical concepts/ ideas clearly and coherently both in writing/oral/ practical presentations.

Programme specific outcome for Undergraduates	
B.A Geography 1st Year	
Programme specific outcome (PSO)	Papers taught: B.A 1 YEAR (Geography) <ul style="list-style-type: none"> • Physical Geography, • Human Geography, • Practical Geography (Cartography)
PO1_Geo/UG1	Understanding of core concepts in geography in physical Geography like evolution of earth, its crust, continents and oceans, climate and Environment; Understand the role of man with nature and understand his role in environmental

	degradation and protection as part of Human and understanding different types of maps and their importance as part of Practical geography in 1 st Year.
PO2_Geo/UG1	Developing understanding of the Physical and human geography and able to establish cause and effect relationship between various physical events and phenomena. Taking up small peer tasks to observe various physical phenomena and geographical relief features Locally and associating them with concepts learned in class.
PO3_Geo/UG1	Taking up Group tasks to take up any local topic as per the course and gather information about it and then relate it to the broad problem they have studies in class. Eg- Take up rainfall in your area and relate it to broad concepts of precipitation taught in class.
PO4_Geo/UG1	Understanding the handling of Maps, Toposheets, survey Equipments along with learning their proper usage for practical applications in practical assignments.
PO5_Geo/UG1	Understanding the core value of ecosystem services, environment and role of man in environmental protection and contributing to local causes like plastic waste management in their city, or afforestation programme, or advocating their thoughts as part of debates and environmentally proactive programmes.
Programme specific outcome (PSO)	Papers taught: B.A 2 YEAR (Geography) <ul style="list-style-type: none"> • Economic Geography, • Geography of India, • Practical Geography
PO1_Geo/UG2	Understanding of core concepts in Economic Geography like various economic activities, Industrial revolution, trade, communication and transportation systems; and detailed knowledge of evolution of Indian subcontinent its geological structure, flora, fauna, people and economic activities as part of Indian Geography. And learning various methods and techniques of representing the statistical data as part of Practical geography.
PO2_Geo/UG2	Taking up topics of interest from the course in groups of 2 to prepare assignment with suggestive answers associating concepts of Indian geography with core concepts of physical geography and same for economic geography also.
PO3_Geo/UG2	Choosing topics/questions from the course and providing solution to them after detailed analysis.

PO4_Geo/UG2	Knowledge about learning various methods of graphically representing the statical data- preparing graphs, pie, bar diagrams and preparing practical file and practicing to present them as part of practical assessment.
PO5_Geo/UG2	Understanding the geographical and cultural diversity in India and existence of economic disparities and organizing/participating in such programmes at college/university/state level.
Programme specific outcome (PSO)	Papers taught: B.A 3 YEAR (Geography) <ul style="list-style-type: none"> • Evolution of Geographical Thought., • Environment Geography, • Practical Geography
PO1_Geo/UG3	Learner able to understand core knowledge of evolution of Geography as a Discipline and contribution of various schools of thought in developing geography as a discipline.
PO2_Geo/UG3	- Have a fundamental understanding of Existing dichotomies in Geographical thought and give a detailed account of their evolution. Choose any of the concept of geographical thought and give detailed assessment in your own words. - Have an understanding of various environmental degradation and pollution and establish root cause of their existence /exploring relation of human activities to them
PO3_Geo/UG3	Visiting any local recycling plant/or any other institute to observe solution for environmental problems and observe seeking solution for such problems.
PO4_Geo/UG3	Handling toposheets, survey equipment, analysis tools and able to perform field-based study, terrain analysis adopting the methods/techniques taught in class.
PO5_Geo/UG3	To be able to take up any environmental degradation/pollution problems in their region and prepare their own model action plan for it. Participate/organize drills and programmes for environmental awareness.

Course Outcome- UG Program

Major areas that will be covered under UG Program (Geography) Year wise and paper wise

Class	Paper	General Course Outcome:
<u>B.A. I</u>	Paper: 1- Physical Geography 3 classes of 45 minutes/week	General Course Outcome: The Learners will be able to understand the theories and concepts related to the evolution of the Earth, Core Understanding of Existing Geo- Physical, Climatological processes existing on continents as well as oceans and the working environment processes and ecosystem services and its relation to human beings.
	Paper: II- Human Geography 3 classes of 45 minutes/week	General Course Outcome: The Learners will be able to understand the existing Human activities (Primary, secondary and Tertiary Activities) and relationship of man with nature. The growing population dynamic and pressure on natural resources. Different aspects of society and cultures around the world and the tussle of economic development vis-à-vis existing natural resource base.
	Paper III: Practical Geography 3 classes of 45 minutes/week	General Course Outcome: Learners will be able to know what maps are, understand the importance of different types of maps and scales, enlargement and reduction of maps. The learners will also be able to observe and learn to handle cartographic equipments, toposheets and maps. And would be able to demonstrate the various methods of showcasing the geographical relief. The learners will also practically understand different projections and their utilization in map making and will be able to construct different projections as part of their practical exercises. Students will be Able to investigate relevant geographical practical problem applying methods and technique

		taught. Prepare record file for each of the practical methods taught.
B.A. II –	Paper I: Economic Geography 3 classes of 45 minutes/week	General Course Outcome: The students would be able to gain knowledge about evolution of economic activities different types of economic activities. Understand the dynamics of Industrial revolution, expansion of trade and transportation networks around the world and their relevance in promoting economic development.
	Paper-II Geography of India: 3 classes of 45 minutes/week	General Course Outcome: The learner will be able to have core knowledge about the Geographical evolution Of Indian Subcontinent and it's geological set up the learners will understand the existence of different physical divisions with their characteristics. Population growth and understanding of human resources in India is also imperative for better understanding of the subject, which students will gain through series of interactive lectures.
	Paper III: - Practical 3 classes of 45 minutes/week	General Course Outcome: Students will understand what is statistical data is, and different sources of data types in geography and their relevance in geographical studies. They will have conceptual clarity of measures of central tendency and measures of dispersion. The students will also able to learn to understand/draw/ prepare different cartographical techniques for representing variable statistical. They will be able to practically asses/apply various techniques for representing statistical data and will be able to prepare relevant charts/diagrams/pie charts/etc. for the same. The learns will also be able to understand the basics of RS and GIS techniques in geography.

		<p>Able to investigate relevant geographical practical problem applying methods and technique taught.</p> <p>Prepare record file for each of the practical methods taught.</p>
<u>B.A III</u>	<p>Paper- I: Evolution of Geographical Thought:</p> <p>3 classes of 45 minutes/week</p>	<p>General Course Outcome:</p> <p>The learners will gain knowledge about the evolution of geography as a discipline. They will get to know the contribution of ancient geographers (Greeks, Romans, Arabs, Indians, Americans, European, Russian and Chinese. They will also understand of how the disciplines evolved over the years and how the core knowledge of the subject has upgraded to its current form today by addition of geographical knowledge through different schools of geography and what are contemporary trends in geography.</p>
	<p>PAPER II: Environment Geography:</p> <p>3 classes of 45 minutes/week</p>	<p>General Learning Outcome:</p> <p>The Learners will be able to understand the Environment and its evolutionary concepts. They will understand the environmental evolution and relation of man with environment. The Learners will also gain knowledge about the various causes, process and types of Environmental degradation and how human beings are contributing to it. The learners will also be able to know about climate change and extreme weather events and phenomena on earth today and how human beings can contribute to save its further degradation.</p>
	<p>Paper III: - Practical</p> <p>3 classes of 45 minutes/week</p>	<p>General Learning Outcome:</p> <p>The Learners will have understanding of Geological maps and practically determine different aspects of geological understanding of a terrain and interpret different geological features.</p>

		<p>The student will also learn to assess the area based on field survey of designated area. They will have experiential practical learning of handling various surveying tools, and equipments and how to use them to depict/present/draw various geographical/geological features of the area.</p> <p>Able to investigate relevant geographical practical problem applying methods and technique taught.</p> <p>Prepare record file for each of the practical methods taught.</p>
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Programme outcome - Post Graduate M.A Geography

In Post-graduation the Semester system is followed CBCS (Choice based Credit system) is not adopted by the university, hence the present affiliated college does not follow the CBCS pattern also.

Upon successful completion of the program the post - graduates would be able to:

PS02_GEO/MA:	Core conceptual Understand of the relevant topics and theoretical perspectives in different domains of Geography.
PS03_GEO/MA:	Develop Observation based understanding establishing cause and effect relationship between various existing global and local geographical phenomena through development of core substantive understanding of various geographical domains
PS04_GEO/MA:	Determine solution based on collected, retrieved, analyzed and interpreted empirical geographical informations
PS05_GEO/MA:	Apply all practical techniques/methods taught in conducting their own practical exercises
PS06_GEO/MA:	To develop practical observational learning skills. To be able to handle practical equipments and cartographic tools and prepare detailed assessment report applying the same.
PS07_GEO/MA:	Develop scientific rigour and analyze/apply the acquired skills in understanding day to day geographical phenomena and ecological systems around them.
PS08_GEO/MA:	Express the geographical concepts/ ideas clearly and coherently both in writing/oral/ practical presentations.
PS09_GEO/MA:	Develop skills to identify the relevant geographical research problem, and able to prepare detailed assessment to solve it following specific methodological plan and through application of various methods and techniques taught.

Course outcome for post-graduates

M.A Geography

M.A Geography- 1st Sem

Course Outcome (CO)	M.A Geography 1st Sem (Names of Papers taught)/ Time allotted per week	Paper wise -Specific Course Outcome (CO)
CO_G/MA1/I	Advanced Geomorphology (6 classes of 45 minutes/week)	<ul style="list-style-type: none">• CO1_G/MA1/I: Understand the core concept of Advanced Geomorphology related to evolution of earth, crustal instability, internal structure, formation of ocean continents, drainage patterns, denudational process and geomorphic features and their analysis.• CO2_G/MA1/I: Critically observe and Establish cause and effect relationship between geographical events and phenomena at the local level.• CO3_G/MA1/I: Analyze and determine the functioning of different geomorphic process and able to distinguish/ identify the landforms created by them• CO4_G/MA1/I: Apply/integrate the concept of various geomorphic theories/models taught in class to understand different geomorphic process and their working in landform evolution at global and local level.• CO5_G/MA1/I: Distinguish between various geomorphic event in Geographical time scale.• CO6_G/MA1/I: Synthesize and present their understand through self-assessment, peer

		assessment through oral or written assessment on any relevant topic of advanced geomorphology
CO_G/MA1/II	<p>Geographical Thought</p> <p>(6 classes of 45 minutes/week)</p>	<ul style="list-style-type: none"> • CO1_G/MA1/II: Understand the core concept in the evolution of geographical thought, contribution of different school of thought and existing dichotomies in the subject. • CO2_G/MA1/II: Develop understanding and establish correlation between existing geographical teachings and different evolutionary time periods. • CO3_G/MA1/II: Determine various theoretical concepts in the evolution of the subject and integrate them with historical evolution of the subject • CO4_G/MA1/II: Observe the ongoing trends in geographical teaching around the world • CO5_G/MA1/II: Distinguish/outline role and contribution of Indian geographers in particular in the domain of geographical thought. • CO6_G/MA1/II: Assess and Evaluate how dichotomies have shaped the regional geography spatially and temporally.
CO_G/MA1/III	<p>Geography of Natural Resource</p> <p>(6 classes of 45 minutes/week)</p>	<ul style="list-style-type: none"> • CO1_G/MA1/III: Understand different types of resources, distribution and their importance, causes of their degradation and initiative for their management at global and regional level. • CO2_G/MA1/III: Observe/determine natural resources in their local region. • CO3_G/MA1/III: Determine factors and process for their degradation

		<ul style="list-style-type: none"> • CO4_G/MA1/III: Observe working of any local unit for natural resource management and recycling and conservation and highlight solution to natural resource management problems in the local area. • CO5_G/MA1/III: Develop plan for natural resource management in their area vising any local region, justifying solution provided working in groups.
<p>CO_G/MA1/IV</p>	<p>Practical Cartography</p> <p>(9 classes of 45 minutes/week)</p>	<ul style="list-style-type: none"> • CO1_G/MA1/IV: Develop core understanding process and concepts related maps and different projections used in showing different region, and techniques and methods used in identifying/showing geographical terrain. • CO2_G/MA1/IV: Understand the process of constructing various projections and their relevant application. • CO3_G/MA1/IV: Applying/ Constructing various projections to show different regions of the world. • CO4_G/MA1/IV: Able to work in groups to design their own projections and analysis charts, choosing specific area. • CO5_G/MA1/IV: Integrate/ Design/prepare record file showcasing various projections /methods/techniques of slope and morphometric analysis taught in class. • CO6_G/MA1/IV Able to Conduct practical exercise assimilating all the theoretical and practical knowledge.

M.A Geography IInd Sem.

Course Outcome (CO)	M.A Geography 2 nd Sem (Names of Papers taught)/ Time allotted per week	Paper wise -Specific Course Outcome (CO)
CO_G/MA2/V	Environment Geography (6 classes of 45 minutes/week)	<ul style="list-style-type: none"> • CO1_G/MA2/V: Understand the general concept of environment, process and phenomena's, role of man with environment, environment degradation process and their conservation techniques and methods • CO2_G/MA2/V: Establish cause and effect relationship between various existing environmental phenomena's • CO3_G/MA2/V: Observe local environmental phenomena in your local region and justify their causative factors • CO4_G/MA2/V: Determine various existing causes for environmental degradation and role of man in environmental degradation process. • CO5_G/MA2/V: Evaluate the role of various agencies and stakeholders in environmental conservation and protection.
CO_G/MA2/VI	Geo. Of Himalaya (6 classes of 45 minutes/week)	<ul style="list-style-type: none"> • CO1_G/MA2/VI: Understand the core concept of regarding evolution of Himalayan system, its geomorphology, climate, vegetation, people and economy. • CO2_G/MA2/VI: Establish cause and effect relationship between various existing phenomena and process existing on Himalayas.

		<ul style="list-style-type: none"> • CO3_G/MA2/VI: Able to apply and integrate general understanding of geomorphic and climatological process in understanding of Himalayan systems • CO4_G/MA2/VI: Observe and relate the exiting precipitation cycle, flora, water systems, fauna in the Himalayan region and their bigger role in global as well as ecological systems. • CO5_G/MA2/VI: Observe people/economic systems of different cultures/race religion in the Himalayan region and evaluating their cultural diversity and being able to relate it to resource availability in the region.
<p>CO_G/MA2/VII</p>	<p>World and India Locational Aspect</p> <p>(6 classes of 45 minutes/week)</p>	<ul style="list-style-type: none"> • CO1_G/MA2/VII: Understand and learn to locate different places on world and India map, Physical features, political boundaries, people and resource regions etc. and know know details about them. • CO2_G/MA2/VII: Observe and pin point to places, countries, capitals, resource regions etc on Atlas. • CO3_G/MA2/VII: Retain the gained knowledge and able to identify regions on Blank world and India Map and mark them correctly. • CO4_G/MA2/VII: Develop a knowledge bank related to different places of the world. • CO5_G/MA2/VII: Able to comprehend and write 50 words about every place marked on blank map. • CO6_G/MA2/VII: Prepare different maps of regions and prepare record file for the same, giving 50 words for each location. • CO7_G/MA2/VII Integrate mapping techniques to understand general concepts of geography, climate, floral and faunal regions, population dynamics,

		<p>economic activities, resource regions around the world.</p>
CO_G/MA2/VIII	<p>Research Methodology</p> <p>(6 classes of 45 minutes/week)</p>	<ul style="list-style-type: none"> • CO1_G/MA2/VIII: Understanding the core aspects of research design, development and planning, and various techniques involved in the data collection, assimilation, analysis, preparation of pilot research report. • CO2_G/MA2/VIII: Examine various methodologies for studying various aspects/research problems of geographical domains and process involved in doing so. • CO3_G/MA2/VIII Describe/ evaluate each research methodological process in research design • CO4_G/MA2/VIII: Integrate and develop own research design. • CO5_G/MA2/VIII Evaluate the output at ever step of research design. • CO6_G/MA2/VIII Choose a pilot research problem and formulate research design, methodologies, and techniques in doing so. • CO7_G/MA2/VIII : Able to analyze data, interpret result and discuss them as part of pilot research project .
CO_G/MA2/IX	<p>Practical – Rs and GIS</p> <p>(9 classes of 45 minutes/week)</p>	<ul style="list-style-type: none"> • CO1_G/MA2/IX: Understand the core concepts of remote sensing and GIS, its functioning, process, and integration with geography for spatial studies. • CO2_G/MA2/IX: Understand the functionalities, of RS and GIS in relation to spatial data sets. • CO3_G/MA2/IX: Distinguish between various process and techniques involved in RS and GIS with respect to the output.

		<ul style="list-style-type: none"> • CO4_G/MA2/IX : Able to work on various software's and handle satellite datasets. • CO5_G/MA2/IX : Visually Observe, Examine and describe various Geographical features, terrains on GIS platform using Satellite data. • CO6_G/MA2/IX : Create visual interpretation layers with specific details and able to integrate all for the desire output. • CO7_G/MA2/IX : Able take up small pilot project and apply all the techniques taught in designing/solving a specific spatial problem on GIS platform.
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M.A Geography

IIIrd Sem

Course Outcome (CO)	M.A Geography 3rd Sem (Names of Papers taught)/ Time allotted per week	Paper wise -Specific Course Outcome (CO)
CO_G/MA3/X	<p align="center">Geo. Of India</p> <p align="center">(6 classes of 45 minutes/week)</p>	<ul style="list-style-type: none"> • CO1_G/MA3/X : Understand the core concept about the geomorphic evolution Of Indian Subcontinent and its geological set, the existence of different physical divisions with their characteristics, diversity in flora, fauna and people along with economic and social development over the years. • CO2_G/MA3/X : Establish cause and effect relationship between geological process, events and phenomena and economic development and population dynamics of the country. • CO3_G/MA3/X Applying core fundamental geographical concepts in understanding the geology and climate of the subcontinent.

		<ul style="list-style-type: none"> • CO4_G/MA3/X Determine and locate resource regions, forest types, rainfall regions, etc. • CO5_G/MA3/X Examine the role of Indian subcontinent in influencing global climatic conditions. • CO6_G/MA3/X Examine resource availability and regional economic development in different states. • CO7_G/MA3/X: Explore and highlight the cultural and linguistic diversity of the country • CO8_G/MA3/X: Choose any important issue and prepare comprehensive assignment applying all the concept and knowledge about the region.
CO_G/MA3/XI	<p style="text-align: center;">Practical- Quantitative techniques and mapping</p> <p style="text-align: center;">(9 classes of 45 minutes/week)</p>	<ul style="list-style-type: none"> • CO1_G/MA3/XI: Develop core understanding process and concepts related maps, scales and different techniques and methods used in identifying/showing geographical information. • CO2_G/MA3/XI: Understand the process of constructing various techniques and methods in showcasing data. • CO3_G/MA3/XI: Applying/ Constructing various techniques on maps and charts to show different types of data. • CO4_G/MA3/XI: Able to work in groups to design their own methodology and analysis charts. • CO5_G/MA3/XI: Integrate/ Design/prepare record file showcasing various /methods/techniques of locational analysis, statistical representation taught in class. • CO6_G/MA3/XI: Able to Conduct practical exercise assimilating all the theoretical and practical knowledge.

CO_G/MA3/XII	<p>Elective – Population</p> <p>(6 classes of 45 minutes/week)</p>	<ul style="list-style-type: none"> • CO1_G/MA3/XII: Understand of various concepts of population geography like growth, density, migration, world and regional patterns of pollution growth, etc. planning and management of population. • CO2_G/MA3/XII: Establish cause and effect relationship between various concepts of population growth and resource dynamics. • CO3_G/MA3/XII : Observe and relate population growth and find association with environmental concerns and resource crisis. • CO4_G/MA3/XII : Evaluate the national population management and urban development plans and determine key elements. • CO5_G/MA3/XII : Identify current developmental issues and challenges in relation to population growth in their local region.
CO_G/MA3/XIIIa.	<p>Elective – Advanced Climatology</p> <p>6 classes of 45 minutes/week</p>	<ul style="list-style-type: none"> • CO1_G/MA3/XIIIa.: Understand the core concepts of climatology, atmospheric systems, behavior, patterns/movement of winds, precipitation forms types, fronts, cyclones and climatic zones of the world • CO2_G/MA3/XIIIa.: Observe and establish cause and effect relationship between various climatological events and process at the local level • CO3_G/MA3/XIIIa.: Apply the core concepts of climatology and integrate them in understanding local climatological events and phenomena's

		<ul style="list-style-type: none"> • CO4_G/MA3/XIIIa.: Take and account of extreme climatological and metrological events in your local region. • CO5_G/MA3/XIIIa.: Determine/observe/distinguish types and forms of precipitation-development of fog, types of rainfall cloud in your region etc. • CO6_G/MA3/XIIIa.: Assess the role of climate in shaping biodiversity, vegetation, forest of your local region integrating to core concepts and theories of climatology. • CO7_G/MA3/XIIIa.: Apply the climatic classification in your local region justifying the results. • CO8_G/MA3/XIIIa.: Prepare assignment based on relevant climatic event/ process in your region.
<p>CO_G/MA3/XIIIb.</p>	<p>Elective - Natural Hazards and Disaster Management</p> <p>(6 classes of 45 minutes/week)</p>	<ul style="list-style-type: none"> • CO1_G/MA3/XIIIb: Understand different types of hazards, process of occurrence, intensity and regions, disaster management concept and relvance, role of man in prevention and mitigation. • CO2_G/MA3/XIIIb Establish cause and effect relationship between Disaster events and phenomena's • CO3_G/MA3/XIIIb Observe/analyze local disasters profile of your area justify causal explanation for their occurrence. • CO4_G/MA3/XIIIb Apply and integrate conceptual understanding to prevention of disaster events. • CO5_G/MA3/XIIIb Observe and appreciate the organizational structure of disaster management at national and regional and local level

		<ul style="list-style-type: none"> • CO6_G/MA3/XIIIb Assess and evaluate the role of human beings in preventing disasters and mitigating damage. • CO7_G/MA3/XIIIb Choose any Hazard and prepare a detailed assessment of its occurrence and mitigation of the event proposing solutions for prevention. Prepare disaster management plan in groups choosing any hazard event in your area and able to orally present in class.
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M.A Geography

IVth Sem

Course Outcome (CO)	M.A Geography 3rd Sem (Names of Papers taught)/Time allotted per week	Paper wise -Specific Course Outcome (CO)
CO_G/MA3/XIV	Geo of Uttarakhand (6 classes of 45 minutes/week)	<ul style="list-style-type: none"> • CO1_G/MA3/XIV: Develop core understanding geomorphic and climatic systems of the state, flora fauna people and economic activities. • CO2_G/MA3/XIV: Observe/ Appreciate/ Analyze: various geomorphic process, climatic events, people and geographical terrain locally. • CO3_G/MA3/XIV: Establish cause and effect relationship between geomorphic/climatological process/human activities studied and relate them with the process at local level in the state • CO4_G/MA3/XIV: Able to apply all general geomorphic/climatical studied earlier to the local environment and observe them locally.

		<ul style="list-style-type: none"> • CO5_G/MA3/XIV: Prepare observation based/ empirical assignment on relevant course topic.
CO_G/MA3/XV	<p>Practical- Surveying Analysis</p> <p>(9 classes of 45 minutes/week)</p>	<ul style="list-style-type: none"> • CO1_G/MA3/XV: Develop core understanding process and concepts related to surveying, Weather systems. • CO2_G/MA3/XV: Understand working of survey equipments/their specific usage/and application. • CO3_G/MA3/XV: Handle/use surveying equipments properly • CO4_G/MA3/XV: Prepare their own survey analysis chart through various surveying methods and techniques taught in class. • CO5_G/MA3/XV: Able to work in groups for practical assessment and able to conduct survey of any local area. • CO6_G/MA3/XV: Integrate/ Design/present the practical survey information into record file and survey charts after conducting local survey of the chosen area. • CO7_G/MA3/XV: Conduct practical exercise assimilating all the theoretical and practical knowledge.
CO_G/MA3/XVIa	<p>Agriculture Geography</p> <p>(6 classes of 45 minutes/week)</p>	<ul style="list-style-type: none"> • CO1_G/MA3/XVIa: Develop core Understanding of Agriculture systems around the world and at local level, various theories / models and patterns in agricultural geography • CO2_G/MA3/XVIa: Observe/determine/distinguish various agricultural practices in your region

		<ul style="list-style-type: none"> • CO3_G/MA3/XVIa: Apply an observe the outcome of various agricultural models and theories in your region and justify applicability results. • CO4_G/MA3/XVIa: Establish cause and effect relationship between availability of natural resources and existing agricultural activity in your region. • CO5_G/MA3/XVIa: Visit local agricultural region and identify ongoing agricultural practice • CO6_G/MA3/XVIa: Select any agricultural activity and prepare detailed assignment of the same based on observation in your local region.
CO_G/MA3/XVIb	<p>Cultural Geography</p> <p>(6 classes of 45 minutes/week)</p>	<ul style="list-style-type: none"> • CO1_G/MA3/XVIb: Understand the cultural dynamics arounds the world, human races and cultural diffusion, migration and cultural ecology. • CO2_G/MA3/XVIb: Observe/ Appreciate/ Analyze the existing cultural diffusion, integrity, resources and different cultures in your region. • CO3_G/MA3/XVIb: Identify the cultural realms and regions of the world and distinguish their process of evolution. • CO4_G/MA3/XVIb: Prepare assignment and oral presentation on relevant topic.
CO_G/MA3/XVIIa	<p>Biogeography</p> <p>(6 classes of 45 minutes/week)</p>	<ul style="list-style-type: none"> • CO1_G/MA3/XVIIa: Understand the existence/functioning of ecosystems around the world, existence of natural resource and natural resource dynamics • CO2_G/MA3/XVIIa: Establish cause and effect relationship between ecological process and phenomena.

		<ul style="list-style-type: none"> • CO3_G/MA3/XVIIa: Observe/ Appreciate/ Analyze the role of ecosystem at the local/ surrounding environment • CO4_G/MA3/XVIIa: Distinguish/ determine the natural resource available in your region. • CO5_G/MA3/XVIIa: Choose and assess status of existing environmental resources/conditions in your local area and prepare assignment.
CO_G/MA3/XVIIb	<p>Oceanography</p> <p>(6 classes of 45 minutes/week)</p>	<ul style="list-style-type: none"> • CO1_G/MA3/XVIIb: Develop core understanding of oceanic systems, ocean morphology, resources, process, and phenomena in oceanography. • CO2_G/MA3/XVIIb: Analyze and establish cause and effect relationship between oceanic events and phenomena. • CO3_G/MA3/XVIIb: Distinguish and identify different ocean geomorphic features of different oceans of the world. • CO4_G/MA3/XVIIb: Evaluate/determine the role of ocean systems in ecosystem functioning. • CO5_G/MA3/XVIIb: Choose self-assessment topic and prepare assignment on relevant topic.
CO_G/MA3/XVIII	<p>Dissertation</p> <p>(6 classes of 45 minutes/week)</p>	<ul style="list-style-type: none"> • CO1_G/MA3/XVIII: Able to identify the research problem based on their understanding and knowledge of the subject and research methodologies taught. • CO2_G/MA3/XVIII: Develop and formulate research plan • CO3_G/MA3/XVIII Prepare/ construct and design research methodology

		<ul style="list-style-type: none">• CO4_G/MA3/XVIII Collect. Retrieve, analyses primary/ secondary data• CO5_G/MA3/XVIII: Integrate and evaluate the data set and prepare and present the results in form of graphs and diagrams, thematic maps etc.• CO6_G/MA3/XVIII: Asses and Evaluate the information and prepared detailed discussion of the result output.• CO7_G/MA3/XVIII: Assimilate all data/results prepared and able to prepare detailed project report
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