

ACADEMIC CALENDER								
Semester I, GEOGRAPHY General								
Distribution of Syllabus								
DSC1A(GEOGCOR01T)—Physical Geography								
	Headlines of the Chapters with the topic	Total No. of Lectures	July to September No. of Lectures	Last week of September	October (2 weeks)	Rest of October & November No. of Lectures	First week of December	Final Semester Examination
	Unit I Geotectonics and Geomorphology	42	42	INTERNAL ASSESMENT	Puja Vacation	0	REVISION OF WHOLE SYLLABUS	End of December
a	Physical geography-definition and scope, components of earth system							
b	Internal structure of Earth based on seismic evidence, plate tectonics and its associated features							
c	Influence of rocks on topography: lime stone and granite							
d	Evolution of land forms under fluvial process, Normal cycle of erosion of Davis							
e	Formation of erosional and depositional landforms by coastal and aeolian processes							
	Unit II Climatology and Oceanography	48	18	INTERNAL ASSESMENT	Puja Vacation	30	REVISION OF WHOLE SYLLABUS	End of December
a	Insolation and heat balance							
b	Horizontal and vertical distribution of temperature and pressure							
c	Planetary wind system, characteristic of Monsoon and tropical cyclone							
d	Climatic classification: Koppen							
e	Hydrological cycle, ocean bottom relief features, ocean currents							

Semester II, GEOGRAPHY General								
Distribution of Syllabus								
DSC1B(GEOGCOR02T)—Human Geography								
	Headlines of the Chapters with the topic	Total No. of Lectures	No. of Lectures from January(2nd week) to March (3rd week)	Last week of March		No. of Lectures from April to May (1st week)	Last three weeks of May	June
	Unit I Population and Social Geography	46	46	INTERNAL ASSESMENT		0	REVISION OF WHOLE SYLLABUS	University Sem II Examination
a	Factors of Growth and distribution of world population. Demographic Transition Theory							
b	World Population Composition: Age, Gender and Literacy							
c	Migration: Types, causes and consequences							
d	Space and Society: Cultural Regions; Race, Religion and Language							
e	Contemporary social issues: illiteracy and poverty							
	Unit II Economic and Settlement Geography	44	14					
a	Sectors of the economy: primary, secondary, tertiary and quaternary							
b	Types of agriculture: Intensive subsistence rice farming, Plantation agriculture (Tea and Coffee)							
c	Location, problems and prospects of Indian industries - Cotton textile, Petroleum refining, Locomotive							
d	Types and Patterns of Rural Settlements							
e	Classification of Urban Settlements; Trends and Patterns of World Urbanization							

Semester III, GEOGRAPHY General								
Distribution of Syllabus								
DSC1C(GEOGCOR03T & 03P)— General Cartography								
	Headlines of the Chapters with the topic	Total No. of Lectures	July to September No. of Lectures	Last week of September	October (2 weeks)	Rest of October & November No. of Lectures	First week of December	Final Semester Examination
	Unit I GEOGCOR03T	44	44	INTERNAL ASSESMENT	Puja Vacation	0	REVISION OF WHOLE SYLLABUS	End of December
a	Concept of map scale: Types and Application. Reading distances on a map.							
b	Map Projections: Criteria for choice of projections. Attributes and properties of: Zenithal Gnomonic Polar Case, Zenithal Stereographic Polar Case, Cylindrical Equal Area, Mercator's Projection, Bonne's Projection. Concept of UTM projection							
c	Survey of India topographical maps: Reference scheme of old and open series. Information on the margin of maps.							
d	Representation of Data – Symbols, Dots, Choropleth, Isopleth and Flow Diagrams, Interpretation of Thematic Maps.							
	Unit II GEOGCOR03P	61	36	INTERNAL ASSESMENT	Puja Vacation	25	REVISION OF WHOLE SYLLABUS	End of December
a	Graphical construction of scales: Plain and comparative.							
b	Construction of projections: Zenithal Gnomonic Polar Case, Zenithal Stereographic Polar Case, Cylindrical Equal Area, Mercator's Projection, Bonne's Projection.							
c	Construction and interpretation of relief profiles from Survey of India topographical map — superimposed, projected and composite, relative relief map, slope map (Wentworth), and Correlation between physical and cultural features from Survey of India topographical maps using transect chart.							

SEC1(GEOSSEC01M)— Remote Sensing								
	Headlines of the Chapters with the topic	Total No. of Lectures	July to September No. of Lectures	Last week of September	October (2 weeks)	Rest of October & November No. of Lectures	First week of December	Final Semester Examination
		30	16	INTERNAL ASSESMENT		14	REVISION OF WHOLE SYLLABUS	End of December
a	Principles of Remote Sensing (RS): Classification of RS satellites and sensors							
b	Sensor resolution and their applications with reference to IRS and Landsat missions, image referencing schemes and data acquisitions							
c	Preparation of False Colour Composites from IRS LISS-3 and LandsatTM and OLI data							
d	Principles of image interpretation and feature extraction. Preparation of inventories of land use land cover features from satellite images							

Semester IV, GEOGRAPHY General								
Distribution of Syllabus								
DSC1D(GEOGCOR04T)— Environmental Geography								
	Headlines of the Chapters with the topic	Total No. of Lectures	No. of Lectures from January(2nd week) to March (3rd week)	Last week of March		No. of Lectures from April to May (1st week)	Last three weeks of May	June
	Unit I Concepts	43	33	INTERNAL ASSESMENT		10	REVISION OF WHOLE SYLLABUS	University Sem II Examination
a	Environmental Geography: Concepts and Approaches							
b	Human-Environment Relationship in equatorial, desert, mountain and coastal regions							
c	Concept of holistic environment and system approach							
d	Space and Society: Cultural Regions; Race, Religion and Language							
e	Ecosystem: Concept, structure and functions							
	Unit II Environmental problems and policies	47	27	INTERNAL ASSESMENT		20	REVISION OF WHOLE SYLLABUS	University Sem II Examination
a	Environmental Problems and Management: Air Pollution; Water pollution Biodiversity Loss; Solid and Liquid Waste.							
b	Environmental problems and management: Desertification and soil erosion							
c	Environmental Programmes and Policies: Developed Countries; Developing Countries.							
d	New Environmental Policy of India.							

SEC2(GEOSSEC02M)— Advanced Spatial Statistical Technique

	Headlines of the Chapters with the topic	Total No. of Lectures	No. of Lectures from January(2nd week) to March (3rd week)	Last week of March		No. of Lectures from April to May (1st week)	Last three weeks of May	June
a	Probability theory, probability density functions with respect to Normal, Binomial and Poisson distributions and their geographical applications	30	15	INTERNAL ASSESMENT		15	REVISION OF WHOLE SYLLABUS	University Sem II Examination
b	Sampling: Sampling plans for spatial and non-spatial data, sampling distributions. Sampling estimates for large and small samples tests involving means and proportions							
c	Correlation and Regression Analysis: Rank order correlation and product moment correlation; linear regression, residuals from regression, and simple curvilinear regression. Introduction to multi-variate analysis.							
d	Time Series Analysis: Time Series processes; Smoothing time series; Time series components.							

Semester V, GEOGRAPHY General								
Distribution of Syllabus								
DSE1A(GEOGDSE01T)— SOIL AND BIO GEOGRAPHY								
	Headlines of the Chapters with the topic	Total No. of Lectures	July to September No. of Lectures	Last week of September	October (2 weeks)	Rest of October & November No. of Lectures	First week of December	Final Semester Examination
Unit I	SOIL GEO	35	25	INTERNAL ASSESMENT	Puja Vacation	10	REVISION OF WHOLE SYLLABUS	End of December
a	Factors of soil formation							
b	Soil profile. Origin and profile characteristics of Lateritic and Chernozem soils							
c	Definition and significance of soil properties: Texture, structure and moisture, pH and organic matter							
d	Principles of soil classification: Genetic and USDA. Concept of land capability and its classification.							
Unit II	BIO GEO	55	35	INTERNAL ASSESMENT	Puja Vacation	20	REVISION OF WHOLE SYLLABUS	End of December
a	Concepts of biosphere, ecosystem, biome, ecotone, community, niche and succession..							
b	Concepts of food chain and food web. Energy flow in ecosystems							
c	Geographical extent and characteristic features of: Tropical rain forest and Grassland biomes.							
d	Bio-geochemical cycles with special reference to carbon dioxide and nitrogen.							

Semester VI, GEOGRAPHY General								
Distribution of Syllabus								
DSE1B(GEOGDSE04P)— Project Report based on Field Work								
	Headlines of the Chapters with the topic	Total No. of Lectures	No. of Lectures from January(2nd week) to March (3rd week)	Last week of March		No. of Lectures from April to May (1st week)	Last three weeks of May	June
a	Project work is compulsory for completing B.Sc Course in Geography. Project Work is intended to	90	70	INTERNAL ASSESMENT		20	REVISION OF WHOLE SYLLABUS	University Sem II Examination
b	The Project report should be based on field work on some specified topics as suggested by the Department.(Topic Selection)							
c	Each student will prepare an individual report based on primary and secondary data collected during field work.							
d	The duration of the field work should not exceed 10 days							
e	The word count of the report should be about 8000 excluding figures, tables, photographs, maps, references and appendices.							
f	The report should include an introduction, literature review, project aims and objectives, methodology, results and discussion and references.							