

ACADEMIC CALENDER
(ACCORDING TO WBSU NEP SYLLABUS)

DISCIPLINE SPECIFIC MAJOR COURSES FOR
GEOGRAPHY
SEMESTER I-IV

SEMESTER-I

GEOADS01T-PHYSICAL GEOGRAPHY

[Internal assessment – 25 Marks; Semester-end Examination – 50 Marks]

Total Credits: 3 [45 Hours]

Semester	Course code	Topic	Resource person
August/September	Unit I: Geotectonics and Geomorphology	Internal Structure of Earth/Influence of lithology on landform	SC/MM
		Influence of rocks on topography, factors controlling landform development	
October		I n t e r n a l s 1 / p u j a v a c a t i o n	
November		Factors controlling landform development	MM/SC
December		Nature and classification of hazards	MM/SC
	Unit II: Climatology, Soil & Biogeography	Nature and composition of atmosphere	SC
August/September		Pressure belts, planetary wind system, jet stream, index cycle	MM
October		Factors of soil formation/evolution of ideal soil profile	SC
November		I n t e r n a l 2 / C o n c e p t o f e c o s y s t e m	SC/MM
December		C o n c e p t o f b i o m e	MM/SC
January		E n d s e m e s t e r	

SEMESTER -II

GEOADS02T – Human Geography

[Internal assessment – 25 Marks; Semester-end Examination – 50 Marks] Total Credits: 3 [45 Hours]

MONTH		TEACHER
FEBRUARY	Nature, scope and recent trends. Elements of Human Geography Approaches to Human Geography; Environmental	MM/SC
		MM/SC
MARCH	Evolution of human societies: Hunting and food gathering, pastoral	
APRIL	Human adaptation to environment: Masai , Eskimo, Maori	SC/MM
MAY	INTERNALS/ Population growth and distribution, demographic transition	SC/MM
JUNE		SC/MM
JULY	Types and patterns of rural settlements Morphology of urban settlements END SEMESTER EXAMINATION	MM/SC

GEOADS02P – Human Geography

Semester-end Examination – 25 Marks Total Credits: 2 [30 Hours]

MONTH		TEACHER
Unit I	Growth rate of population	MM
	Choropleth map	SC
	Identification of settlement	MM
	Transect Chart	MM
	Proportional pie and circle	SC

SEMESTER-III

GEOADS03T – Geotectonics and Geomorphology

[Internal assessment – 25 Marks; Semester-end Examination – 50 Marks] Total Credits: 3 [45 Hours]

MONTH	Topic	TEACHER
August	Geological time scale	MM/ SC
August	Theories of Isostasy	MM/SC
September	Plate tectonics	MM/SC
September	Folds and faults	MM/SC
September	Weathering, mass wasting	MM/SC
October	Internal 1/Puja vacation	
November	Development of river	MM/SC
November	Coastal processes and landforms	MM/SC
November	Glacial processes and landforms	MM/SC
December	Aeolian processes and landforms	MM/SC
December	Models of landform development INTERNAL 2	MM/SC
January	END SEMESTER EXAMINATION	

GEOADS03P – Geotectonics and Geomorphology (Lab)

Semester-end Examination – 25 Marks Total Credits: 2 [30 Hours]

Sl no	Topic	TEACHER
1	Rock and mineral identification	MM
2	Geological map	SC
3	Construction and interpretation of relief profile	MM
4	Drainage basin alienation	SC
5	Morphometric analysis	MM
6	Hypsometric curve	SC

7	Determination of channel sinuosity index	SC
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SEMESTER-IV

GEOADS04T- Climatology

3 credits (45 hours of teaching)

MONTH	Course code	Topic	Resource person
February	Unit I: Elements of the Atmosphere	Insolation	MM/SC
February		Temperature:	MM/SC
February		Greenhouse effect	MM/SC
March	Unit II: Atmospheric Phenomena and	Condensation:	MM/SC
March		Air mass:	MM/SC
March		Fronts:	MM/SC
April		Weather: stability and instability	MM/SC
April		Atmospheric disturbance	MM/SC
May		Internal 1	
		Monsoon circulation	MM/SC
		Tropical and mid-latitude cyclones	
		Climatic classification- Koppen, Thornwaite	MM/SC
June			
July		End semester examination	
	GEOADS04P	Climatology (lab)	
	2 (60 hours of		
		Interpretation of daily weather map of India (any two): Pre-Monsoon, Monsoon and Post-Monsoon	MM/SC
		Construction and interpretation of hythergraph and climograph	SC
		Construction and interpretation of monthly rainfall dispersion diagram, climatic water budget	MM

GEOADS05T- Economic Geography**5 credits (75 hours of teaching)**

MONTHS		TOPICS	Resource person
February	Unit I	Approaches to economic geography	MM/SC
February		Concept of economic geography	MM/SC
February		Concept of economic man	MM/SC
March		Economic distance and transport cost	MM/SC
March		Weber & Von thunen	MM/SC
March	Unit II	Primary activities	MM/SC
April		Secondary activities	MM/SC
April		Tertiary activities	MM/SC
May		Economic globalization	MM/SC
May		International trade, WTO	MM/SC
May		International trade and economic blocs: WTO, GATT and BRICS: Evolution, structure and functions INTERNAL 1	MM/SC
June			
July		END SEMESTER EXAMINATION	

GEOADS06T- Geography of India and West Bengal

5 credits (75 hours of teaching)

MONTHS		Topic	Resource person
February	Unit I	Tectonic and stratigraphic provinces, physiographic divisions	MM/SC
February		Climate, soil and vegetation	MM/SC
February		Tribes of India	MM/SC
March		Agricultural regions	MM/SC
March		Mineral and power resources	MM/SC
March		Industrial development: Automobile and information technology	MM/SC
April		Regionalisation of India	MM/SC
April	Unit II: Geography of West Bengal	Physical perspectives	MM/SC
May		Resources: Agriculture, mining, and industry	MM/SC
May		Population: Growth, distribution and human development	MM/SC
May		Regional Issues: Darjeeling Hills and Sundarban	MM/SC
June			
July		END SEMESTER EXAMINATION	

GEOADS07T- Cartographic technique and thematic mapping**3 credits (45 hours of teaching)**

MONTH	Topic	Resource person
February	Scientific notation, log, antilog	MM/SC
February	Map classification, components of map	MM/SC
February	Scale: Comparative, diagonal, vernier	MM/SC
March	Co-ordinate system	MM/SC
March	Concept of globe and UTM	MM/SC
March	Map projection	MM/SC
April	Representation of data: line, bar, isopleth	MM/SC
April	Representation of area data	MM/SC
May	Preparation and interpretation of landuse and land cover	MM/SC
May	Preparation and interpretation of socio-economic map	MM/SC
May	INTERNALS/REVISION	
June		
July	END SEMESTER EXAMINATION	

GEOADS07P- Cartographic technique and thematic mapping (lab)**2 credits (60 hours of teaching)**

Sl no.	Topic	Resource person
1	Construction of scale: Comparative, diagonal, vernier	MM
2	Construction of projection: Polar Zenithal Gnomonic, Stereographic, orthographic, One std parallel, Bonne's, Cylindrical Equal Area, Mercators	MM/SC
3	Age-sex pyramid	SC
4	Dot and sphere	SC
5	Flow chart	MM