RAMAKRISHNA SARADA MISSION VIVEKANANDA VIDYABHAVAN
LESSON PLAN FOR GEOGRAPHY HONS - SEM-2_2024
NEP SYLLABUS

GEOADS02T : HUMAN GEOGRAPHY UNIT WISE DIVISION	NO OF CLASSES
GEOADS02T : 3 Credits [45 hours of teaching]	
Unit : I Scope and Approaches	
1. Elements of Human Geography : Nature, scope and recent trends. ……………	2 (KD)
2. Approaches to Human Geography; Resource, Locational, Landscape, Environmental. …………………………………………………………………………… …	6 (KD)
Unit : II Social and Population Geography	
3. Evolution of human societies : Hunting and food gathering, pastoral nomadism, subsistence farming, industrial society & post-industrial urban society. …………………………………………………………………………………… ……………	6 (SM) 6 (AP) 5 (ND) 2 (AP)
4. Human adaptation to the environment : Eskimo, Masai and Maori. …………..	
5. Population distribution, density and growth of world population. …………….	
6. Demographic Transition Theory. ……………………………………………………	4 (AP)
Unit : III Economic and Settlement Geography	4 (SM)
7. Sectors of the economy: primary, secondary, tertiary, quaternary, and quinary. …………………………………………………………………………… ……………	5 (ND) 1 (AP) 4
8. Types of agriculture: Intensive subsistence rice farming, Plantation agriculture (Tea). ……………………………………………………………………………………	TOTAL = 45
9. Site, situation, types and patterns of Rural Settlements. …………………………...	10 (AP)
10. Classification of Urban Settlements after Census of India. ………………………	
11. Class test & Internal exam. ……………………………………………………	10 (AP)
	10 (ND)
GEOADS02P : 2 Credits [60 hours of teaching]	10 (ND)
1. Growth rate of population : Arithmetic growth comparing two decadal datasets. ……………………………………………………………………………… …………..	10 (SM)
2. Density of population of Indian states or West Bengal districts by choropleth method. ……………………………………………………………………………….	10 (SM) TOTAL = 60
3. Identification of types of settlements according to sites from Survey of India 1:50,000 topographical maps. ………………………………………………..	
4. Correlating physical and cultural attributes using transect charts. ……………	
5. Proportional pie-diagrams representing economic data and land use data.	10
5. Proportional square diagrams representing economic data and land use data. ……………………………………………………………………………… ……………...	

	8
GEOSE-02M – ADVANCED SPATIAL STATISTICAL TECHNIQUES **3 Credits [45 hours of teaching]** MH - 1. Probability theory, probability density functions with respect to Normal, Binomial and Poisson distributions and their geographical applications. ………………………………………………………………………………… ……. MH - 2. Sampling: Sampling plans for spatial and non-spatial data, sampling distributions. Sampling estimates for large and small samples tests involving means and proportions. ……………………………………………………………………….. AP - 3. Correlation and Regression Analysis: Rank order correlation and product moment correlation; linear regression, residuals from regression, and simple curvilinear regression. Introduction to multivariate analysis. …….. MH - 4. Time Series Analysis: Time Series processes; Smoothing time series; Time series components. ……………………………………………………………………….. ● Project file preparation. ……………………………………………………….. ● Internal exam. ………………………………………………………………………	12 8 5 2 TOTAL = 45

LESSON PLAN FOR GEOA_SEM-4_2024 (CBCS SYLLABUS)

CC 8: REGIONAL PLANNING – (90 CLASSES—90 HOURS)	NO OF CLASSES
Unit I: Regional Planning	
ND - 1. Concept of regions: Types of regions and their delineation. ……………….	5
ND - 2. Regional Planning: Types, principles, objectives, tools & techniques. …	7
ND - 3. Need for regional planning in India, multi- level planning in India. ……	5
AP - 4. Metropolitan concept and urban agglomerations. ……………………………..	4
Unit II: Regional Development	
SM - 5. Concepts of growth and development, growth versus development. ….	4
SM - 6. Indicators of development: Economic, social and environmental. ……	6
SM - 7. Human development: Concept and measurement. …………………………..	6
AP - 8. Theories and models for regional development: Cumulative causation (Myrdal). ………………………………………………………………………………… …………..	5 7
AP - 9. Theories and models for regional development: Stages of development (Rostow), growth pole model (Perroux). …………………………………………	5 5

Content	Hours	Total
KD - 10. Concept and causes of underdevelopment. …………………………………..	5	
	15	
KD - 11. Regional development in India: Disparity and diversity. …………………..	5	
KD - 12. Need and measures for balanced development in India. …………………..	6	TOTAL = 90
● Tutorial class. ……………………………………………………………………		
● Remedial class. ……………………………………………………………………	2	
● Class test & Internal exam. …………………………………………………………..	6	
	2	
CC 9: ECONOMIC GEOGRAPHY – (90 CLASSES—90 HOURS)	2	
<u>Unit I : Concepts</u>		
KD - 1. Meaning and approaches to Economic Geography. …………………………………	4	
KD - 2. Concepts in Economic Geography: Goods and services, production, exchange and consumption. …………………………………………………………………	5	
ND - 3. Concept of economic man, theories of choices. ……………………………………….	6	
SM - 4. Economic distance and transport costs. ……………………………………………….	6	
<u>Unit II : Economic Activities</u>	10	
AP - 5. Concept and classification of economic activities - primary, secondary, tertiary, quaternary & quinary. ……………………………………………………..	9	
AP - 6. Agricultural systems: Case studies of tea plantations in India and mixed farming in Europe. ………………………………………………………………………..	6	
	7	
AP - 7. Factors affecting the location of economic activity with special reference to agriculture (Von Thünen), and industry (Weber). ………………………	15	
SM - 8. Primary activities: Agriculture, forestry, fishing and mining. ……………...	5	
SM - 9. Secondary activities: Manufacturing (cotton textile, iron and steel), concept of manufacturing regions, special economic zones and technology parks. ……………………………………………………………………………… ……………….	6	TOTAL = 90
KD - 10. Tertiary activities: Transport, trade and services. ………………………………	3	
ND - 11. Trans-national sea-routes, railways and highways with reference to India. ……………………………………………………………………………… ………………..	4	
	8	
ND - 12. International trade and economic blocs: WTO, GATT and BRICS: Evolution, Structure and Functions. ………………………………………………………..	6	
● Tutorial class. ………………………………………………………………………..		
● Remedial class. ………………………………………………………………………	8	
● Class test & Internal exam. …………………………………………………………..	7	
	5	
	6	
CC 10: ENVIRONMENTAL GEOGRAPHY THEORY	6	
	4	

Unit I : Concepts
ND - 1. Geographers' approach to environmental studies. …………………………….
ND - 2. Concept of holistic environment and systems approach. ……………………
ND - 3. Ecosystem: Concept, structure and functions.
…………………………………
KD - 4. Space–time hierarchy of Environmental problems: Local, regional and global.
……………………………………………………………………………………………
………………
 	
Unit II : Environmental problems and policies
SM - 5. Environmental pollution and degradation : Land, water and air. …………
AP - 6. Urban environmental issues with special reference to waste management.
………………………………………………………………………………………
……
AP - 7. Environmental policies – National Environmental Policy, 2006. …………
SM - 8. Earth Summits - Stockholm, Rio, Johannesburg. ………………………………
KD - 9. Global initiatives for environmental management (special reference to
Montreal Protocol, Kyoto Protocol, Paris Climate Summit). ……………………
    ● Remedial class.
    …………………………………………………………………………………………
    ● Class test & Internal exam.
    …………………………………………………………………..
PRACTICAL - AP
1. Preparation of questionnaire for perception survey on environmental problems.
………………………………………………………………………………………
………….
2. Preparation of check – list for Environmental Impact Assessment of an Urban /
Industrial Projects.
…………………………………………………………………..
3. Interpretation of air quality using CPCB /WBPCB data. …………………………….
    ● Students' presentation on Air Quality Status of India & West Bengal. ..
	5
	
	8
	
	8
	12
	
	2
	
	90
		TH. TOTAL = 60
		
		PR. TOTAL = 30
		TOTAL =

LESSON PLAN FOR GEOA_SEM-6, 2024 (CBCS SYLLABUS)

UNIT WISE DIVISION	NO OF CLASSES
CC13: GEOGRAPHICAL THOUGHT –90 classes-90 hours	
Unit 1: Nature of Pre-Modern Geography ND - 1. Development of Geography: Contributions of Greek Geographers.(Homer, Thales, Anaximander, Hecataeus, Herodotus, Plato, Aristotle, Alexander, Hippocrates, Hipparchus, Eratosthenes, Posidonius, Pytheas, and Polybius). @ 14 ……………………………………………. AP - 2. Contributions of Chinese Geographers. (Zhang Heng, Confucius, Laotze, Yi Jing, Chang Chien, Huan-Tsang, Chou-Ta-Kuan, Zheng He) …… AP - 3. Impact of 'Dark Age' in Geography and Arab contributions. (Al-Battani, Al-Masudi, Ibn Sina, Al-Idrisi, Ibn-Battuta, Al-Biruni, Ibn Khaldun). @ 7 ……………………………………………………………………………………… ..	 4 2 2 4

AP - 4. Geography during the age of 'Discovery' and 'Exploration': Contributions of Columbus, Vasco-da-Gama, Magellan, Thomas Cook. …..	4
AP - 5. Transition from cosmography to scientific Geography : (contributions of Bernard Varenius and Immanuel Kant) ……………………..	5
ND - 5. Dualism and Dichotomies: Idiographic vs. Nomothetic, Physical vs. Human, Regional vs. Systematic & Determinism vs. Possibilism. ………..	
Unit:2 Foundations of Modern Geography and Recent Trends	
AP - 7. Evolution of Geographical thoughts in Germany (Humboldt, Ritter, Ratzel, Richthofen, Hettner, Albrecht Penck, Walther Penck, Alfred Wegener, Oscar Peschel, Otto Schluter). @10 ……………………………	12
KD - 8. Evolution of Geographical thoughts in France (Vidal de La Blache, Elisee Reclus, Jean Brunhes, Albert Demangeon, Emmanuel Martonne, Frederic Le Play, Andre Siegfried, Roul Blanchard, Jean Gottman). @ 9 …	8
SM - 9. Evolution of Geographical thoughts in the USA (Louis Agassiz, Henry Guyot, JW Powell, GK Gilbert, EC Semple, Huntington, Harlan Barrows, Carl O Sauer, WM Davis, R. Hartshorne, M. Jefferson, I. Bowman, RD Salisbury). @ 13 …………………………………………………………	10
MH - 10. Evolution of Geographical thoughts in Britain (Hertbert Spencer, P Geddes, HJ Mackinder, AJ Herbertson, G. Taylor, Dudley Stamp, OHK Spate, D Harvey). @ 8 …………………………………………………..	6
SM - 11. Trends of geography in the post-World War-II period: Quantitative Revolution, systems approach. ………………………………………	3
KD - 12. Evolution of Critical Geography: Behavioural, humanistic and radical. ………………………………………………………………………………………….	4
MH -13. Changing concept of time-space in geography in the 21st Century. ………………………………………………………………………………………..	2 15 4
● Tutorial class. ………………………………………………………………..	5 TOTAL = 90
● Remedial class. ………………………………………………………………..	
● Class test & Internal exam. ……………………………………………	3
	7
CORE COURSE 14: DISASTER MANAGEMENT THEORY	7
UNIT-I (Concepts)	9
SM - 1. Classification of hazards and disasters. ……………………………………...	
KD - 2. Approaches to hazard study : Meaning, Risk perception, Vulnerability	5

assessment, Hazard paradigms. …………………………………………..	5
SM - 3. Responses to hazards : Preparedness, Trauma and aftermath, Resilience capacity, Capacity building. …………………………………………	5
MH - 4. Hazard mapping : Data & geospatial techniques. ………………………...	5
UNIT-II (Hazard specific study with focus on India)	
AP - 5. Earthquake:Factors, Vulnerability, consequences & management	5
AP - 6. Landslide : Factors, Vulnerability, consequences & management.	4
KD - 7. Tropical cyclone:Factors, Vulnerability, consequences & management. ………………………………………………………………………………	5 TOTAL=60
..	30 TOTAL = 90
ND - 8. Riverbank erosion:Factors, Vulnerability, consequences and management. …………………………………………………………………………	
..	
ND - 9. Radioactive fallout:Factors, Vulnerability, consequences and management. …………………………………………………………………………	6
..	7
● Remedial class. ……………………………………………………………..	7
● Class test & Internal exam . …………………………………………………	7
PRACTICAL - (KD)	
Collection of data and Preparation of a Project Report ………………………….	
	10
	6
DSE04T: HYDROLOGY & OCEANOGRAPHY – 90 classes-90 hours	6
Unit-I: Hydrology	7
KD - 1. Systems approach in hydrology. Global hydrological cycle: Its physical and biological role. ………………………………………………………..	7
	7
	15
SM - 2. Run off: controlling factors. Infiltration and evapotranspiration. Run off cycle. ………………………………………………………………………………	5
	5 TOTAL = 90
ND - 3. Drainage basin as a hydrological unit. Principles of water harvesting and watershed management. ……………………………………………….	
ND - 4. Groundwater: Occurrence and storage. Factors controlling recharge, discharge and movement. ………………………………………………………	4
Unit-II: Oceanography	7
SM - 5. Major relief features of the ocean floor: characteristics and origin according to plate tectonics. ………………………………………………….	3
KD - 6. Physical and chemical properties of ocean water. ………………………	5
KD - 7. Water mass, T–S diagram. …………………………………………………..	7
AP - 8. Ocean temperature and salinity: Distribution and determinants.	3
AP - 9. Marine resources: Classification and sustainable utilisation. ……….	
AP - 10. Sea level change: Types and causes. …………………………………………..	

● Tutorial class. …………………………………………………………..	10
● Remedial class. ……………………………………………………..	15
	4
● Class test & Internal exam. ………………………………………….	7
	15
DSE06T: RESOURCE GEOGRAPHY –90 classes-90 hours	5
Unit I: Resource and Development	5 TOTAL = 90

Unit I: Resource and Development
KD - 1. Natural Resources: Concept and classification. …………………………
KD - 2. Approaches to Resource Utilisation: Utilitarian, Conservational, Community based adaptation.
…………………………………………………………….
KD - 3. Significance of Resources: Backbone of Economic growth and development.
…………………………………………………………………………………………………..
ND - 4. Pressure on resources. Appraisal and Conservation of Natural Resources.
…………………………………………………………………………………………………….
ND - 5. Problems of resource depletion—global scenario (forest, water, fossil fuels).
…………………………………………………………………………………………………...
AP - 6. Sustainable Resource Development.
………………………………………………..

Unit II: Resource Conflict and Management
AP - 7. Distribution, Utilisation, Problems and Management of Mineral Resources: Bauxite and Iron Ore.
……………………………………………………..
SM - 8. Distribution, Utilisation, Problems and Management of Energy Resources: Conventional and Non-Conventional.
…………………………………..
SM - 9. Contemporary Energy Crisis and Future Scenario. ………………………
AP - 10. Limits to Growth and Sustainable Use of Resources; Concept of Resource sharing : Water.
………………………………………………………………………

● Tutorial class.
………………………………………………………………………
● Remedial class.
……………………………………………………………………..
● Class test & Internal exam.
………………………………………………………….