DEPARTMENT OF GEOGRAPHY

SEMESTER I, SEMESTER- III AND SEMESTER V

(Routine For Online Classes)

DAY	TIME	SEMESTER-II		SEMESTRE-IV		SEMESTER-VI	
		Hons	Gen	Hons	Gen	Hons	Gen
Monday	10.00-11.00	NB		DG			
	11.00-12.00		FI				
	12.00-01.00	GM					
	01.00-02.00					NB	
Tuesday	10.00-11.00			FI			
	11.00-12.00	DG			NB	FI	
	12.00-01.00						
	01.00-02.00						
Wednesday	10.00-11.00			GM			NB
	11.00-12.00	DG					
	12.00-01.00						
	01.00-02.00	DB				NB	
Thursday	10.00-11.00		DG				
	11.00-12.00			DB		DG	
	12.00-01.00						
	01.00-02.00			NB			
Friday	10.00-11.00	FI		NB		GM	
	11.00-12.00					DG	
	12.00-01.00				DG		
	01.00-02.00						
Saturday	10.00-11.00	NB					
	11.00-12.00						DB
	12.00-01.00				GM	DB	
	01.00-02.00						

Teachers Full Name:
NB- Nafisa Banu, DG- Deblina Ghosal, GM- Gourhari Mondal, DB- Dilwar Badsa, FI- Farhana Islam

For Students

- The classes will be taken through Google meet. Be online 5 minutes before the class strats.
- Attendance will be registered for each class.
- Study materials, online test and assignment will be uploaded online.
- You will always keep in touch through WhatsApp group of your class.
- Submit all assignments before deadline.

Dr. Nafisa Banu
(HoD)
Department of Geography
D.N.C. College, Aurangabad

NUMBER OF CLASS / WEEK

HONOURS					
	NB	DG	GM	DB	FI
2ST SEM	2	2	1	1	1
4ND SEM	2	1	1	1	1
6TH SEM	2	2	1	1	1
TOTAL (H)	**6**	**5**	**3**	**3**	**3**

	HONS.	GEN.	**TOTAL CLASS (H+G)**
NB	6	1	**7**
DG	5	1	**6**
GM	3	1	**4**
DB	3	1	**4**
FI	3	1	**4**

(6 Credit: 75 Marks)

SEMESTER-II				
Course Code	**Course Nature**	**Course Title**	**Course wise Class (L+T+P)**	**Credit**
GEO/H/CC/T/03	Core	HUMAN GEOGRAPHY	75L+15T	6
GEO/H/CC/T/04	Core	CARTOGRAMS, SURVEY AND THEMATIC MAPPING	60T	4
GEO/H/CC/P/04			60P	2
GEO/H/GE/T/02/A or GEO/H/GE/T/02/B	GE	GEOSPATIAL TECHNOLOGY **OR** REGIONAL DEVELOPMENT	75L+15T	6
-	AECC	Communicative English/ MIL	-	2
Total		**4 courses**	-	**20**
SEMESTER-IV				
Course Code	**Course Nature**	**Course Title**	**Course wise Class (L+T+P)**	**Credit**
GEO/H/CC/T/08	Core	REGIONAL PLANNING AND DEVELOPMENT	75L+15T	6
GEO/H/CC/T/09	Core	ECONOMIC GEOGRAPHY	75L+15T	6
GEO/H/CC/T/10	Core	ENVIRONMENTAL GEOGRAPHY	60T	4
GEO/H/CC/P/10			60P	2
GEO/H/GE/T/04/A or GEO/H/GE/T/04/B	GE	INDUSTRIAL GEOGRAPHY **OR** SUSTAINABLE DEVELOPMENT	75L+15T	6
GEO/H/SEC/P/02/A or GEO/H/SEC/P/02/B	SEC	ADVANCE SPATIAL STATISTICAL TECHNIQUES **OR** FIELD WORK	60P	2
Total		**5 courses**	-	**26**
SEMESTER-VI				
Course Code	**Course Nature**	**Course Title**	**Course wise Class (L+T+P)**	**Credit**
GEO/H/CC/T/13	Core	EVOLUTION OF GEOGRAPHICAL THOUGHTS	75L+15T	6
GEO/H/CC/T/14	Core	DISASTER MANAGEMENT	60T	4
GEO/H/CC/P/14			60P	2
GEO/H/DSE/T/03/A or GEO/H/DSE/T/03/B	DSE	FLUVIAL GEOMORPHOLOGY **OR** RESOURCE GEOGRAPHY	75L+15T	6x2=12
GEO/H/DSE/T/04/A or GEO/H/DSE/T/04/B	DSE	SOIL AND BIO GEOGRAPHY **OR** AGRICULTURAL GEOGRAPHY	75L+15T	
Total		**4 courses**	-	**24**
Total (All semesters)		***26 courses***	-	***140***

SEMESTER-II

GEO/H/CC/T/03: (Theory): Human Geography	
Topic	**Assigned Faculties**
Unit-1: Nature and Principles	
1. Introduction: Defining Human Geography; Major Themes; Contemporary Relevance 2. Evolution of Humans; Concept of Race and Ethnicity; Major Racial Groups of the World 3. Space, Society and Cultural Regions (Language and Religion)	**DG**
4. Concept: Culture, Cultural Diffusion, Community, Society, Cultural Realms	**FI**
Unit-2: Society, Demography and Ekistics	
1. Evolution of Human Society: Hunting and Gathering, Pastoral Nomadism, Subsistence Farming, Industrial and Urban Society 2. Population Growth and Distribution, Population Composition; Demographic Transition Model 3. Population–Resource Regions (Ackerman)	**NB**
4. Population and Environment Relations with special reference to Development– Environment Conflict 5. Social Morphology and Rural House Types in India	**DB**
6. Types and Patterns of Rural Settlements	**FI**
7. Functional Classification of Urban Settlements 8. Trends and Pattern of World Urbanization	**GH**

CC/04: Cartograms, Survey and Thematic Mapping	
Topic	**Assigned Faculties**
GEO/H/CC/T/04: (Theory): Cartograms, Survey and Thematic Mapping	
1. Concepts of Cartograms and Thematic Maps 2. Concept and Utility of Isopleth and Choropleth 3. Concept, utility and Interpretation of: Climograph, Hythergraph and Ergograph	NB
4. Preparation and Interpretation of Demographic Charts and Diagrams (Age-Sex Pyramid) 5. Concepts of Bearing: Magnetic and True, Whole-circle and Reduced	GH
6. Basic Concepts of Surveying and Survey Equipments: Abneys Level,	DB

Clinometer	
7. Basic Concepts of Surveying and Survey Equipments: Prismatic Compass, Dumpy Level, Transit Theodolite	FI, NB, DG
8. Interpretation of Landuse and landcover maps	DB
GEO/H/CC/P/04: (Practical): Cartograms, Survey and Thematic Mapping	
1. Diagrammatic Representation of Data: Star and Age-sex Pyramid Diagram, Pie Diagram	FI
2. Representation of Data on Map by Proportional Circles, Dots and Spheres, Isolines and Choropleth method	DG
3. Survey: Traversing by Prismatic Compass and Dumpy Level with One Change Point (Profile Drawing)	FI, NB
4. Determination of Height of Objects using Transit Theodolite (Accessible bases)	DG
*A Project File of exercises consisting of each theme is to be submitted	

SEMESTER-IV

Topic	Assigned Faculties
GEO/H/CC/T/08: (Theory): Regional Planning and Development	
Unit-I: Regional Planning	
1. Concept of region, Types and delineation: Formal, functional and planning regions 2. Types of planning, principles and techniques of regional planning 3. Needs of regional planning, multi level planning in India	NB
4. Concept of metropolitan and urban agglomerations; Regionalisation of India for planning (Agro-Ecological Zones)	GH
Unit-II: Regional Development	
1. Development: Meaning, growth versus development 2. Theories and models for regional development: Growth pole model of Perroux; growth foci model in Indian context (R.P. Misra)	DB
3. Theories and models for regional development: Cumulative causation (Myrdal), Core periphery (Hirschman, Rostow and Friedman) 4. Changing concept of development; concept of underdevelopment	DG
5. Concept and indicators of regional imbalances in India	GH
6. Significance of balanced development in India 7. Human development: Significance, Indicators and Measurement	FI

GEO/H/CC/T/09: (Theory): Economic Geography	
Topic	**Assinged Faculties**
Unit-I: Concept	
1. Meaning and approaches to Economic Geography 2. Concept in Economic geography: goods and services production, exchange and consumption	FI
3. Factors influencing location of economic activity and forces of agglomeration	DB
4. Determining factors of transport costs	
Unit-II: Economic Activities	
1. Concept and classification of economic activities 2. Location theories with special reference to agriculture (Vonthunen), and industry (Weber) 3. Primary activities: Subsistence and commercial agriculture; forestry (types and management); fishing (distribution of world fishing zones); mining (role of mining in economic development) activity in India	NB
4. Secondary activities: Manufacturing (Cotton textile in India and U.S.A., Iron and steel in India and Japan), 5. Concept of manufacturing region: special economic zones and technology parks 6. Tertiary activities: transport, trade and services	DG
7. Agricultural systems: Case studies of tea plantation in India and mixed farming in Europe 8. Transnational sea-routes; railways and highways with reference to India	GH

GEO/H/CC/T/10: (Theory): Environmental Geography	
Topic	**Assinged Faculties**
1. Environmental Geography: Concept and Scope 2. Perception of environment in different stages of civilization	DB
3. Concept of holistic environment; concept of EIA 4. Ecosystem: concept, structure and functions	FI
5. Environmental pollution and degradation: Land, water and air 6. Environmental issues related to agriculture	GH
7. Urban environmental issues with special reference to waste management	DG
8. Environmental programmes and policies: global (Earth summit, 1992; Montreal and Kyoto protocols), national and local levels.	NB
GEO/H/CC/P/10: (Practical): Environmental Geography	
1. Preparation of questionnaire for perception survey on environmental problems 2. Environmental mapping; Quality assessment of soil using field kit: pH and NPK 3. Interpretation of air quality using CPCB/ WBPCB data 4. A project file consisting of two exercise each is to be submitted.	DG
*A Project File of exercises consisting of each theme is to be submitted	

GEO/H/SEC/P/02/B: (Practical): Field Work
Assigned Faculties: FI, DB, GH
Students are required to carry out a comprehensive field work in a village/mouza/town/C.D.Block/ drainage basin selecting a particular **research problem**. There should be a clear-cut **Problem background, major Objectives, Methodology and Findings**. The text of the fieldwork should not exceed 5000 words and 15-20 pages of illustrations (A4 Pages). The fieldwork along with the diagrams and illustrations should be prepared in computer using the standard (Using MS-Word for typing and Excel for calculation and graphs). The cartographic and statistical techniques used in the fieldwork should be at par with the syllabus of the UG Course.
Guidelines for Fieldwork:
The following methods are to be followed for framework:
1. Preparation of questionnaire for assessing the physical/cultural/environment/socio-economic components. A filled-in questionnaire used in the survey should be attached with the report signed by the concerned teacher and the student. 2. Preparation of maps (hand-drawn) with suitable scale and latitude and longitude. 3. Preparation of charts/graphs in MS-Excel and duly labelled. 4. The report should be typed in MS-Word. The font size is fixed at 12 in Times New Roman and the line spacing 1.5. 5. Each field work should have a certificate of authenticity duly signed by the project supervisor.

SEMESTER-VI

GEO/H/CC/T/13: (Theory): Evolution of Geographical Thoughts	
Topic	**Assinged Faculties**
Unit-I: Nature of Pre Modern Geography	
1. Development of Geography and contributions of Greek, Chinese and Indian geographers 2. Impact of 'Dark Age' on Geography and Arab contributions 3. Geography during the Age of 'Discovery' and 'Exploration' (Contributions of Portuguese Voyages, Columbus, Vasco da Gama, Magellen, Thomas Cook)	DB
4. Transition from Cosmography to Scientific Geography (Contributions of Bernard Varenius and Immanuel Kant); Dualism and Dichotomies (General vs. Particular, Physical Vs. Human, Regional vs. Systematic, Determinism vs. Possibilism, Ideographic vs. Nomothetic)	NB

Unit-II: Foundations of Modern Geography and Recent Trends	
1. Evolution of Geographical thoughts in Germany, France, Britain and United States of America 2. Contributions of Humbolt and Ritter	DG
3. Contributions of Ratzel, Richthofen and Hettner	NB
4. Schools of Geographical thought: French, British and American 5. Trends of Geography in the post World War-II period 6. Evolution of Geographical thought in India	GH
7. Quantitative Revolution and its impact; the perspectives of Behaviouralism, Systems approach, Radicalism and Feminism in Geography	FI
8. Towards Post Modernism: Changing concept of space in Geography; Geography in the 21st Century	

GEO/H/CC/T/14: (Theory): Disaster Management	
Topic	**Assinged Faculties**
Unit-I: Concepts	
1. Classification of Hazards and Disasters	NB
2. Approaches to hazard study: Risk perception and vulnerability assessment; Hazard paradigms	DB
3. Responses to hazards and disasters: Preparedness, trauma and aftermath; Resilience and capacity building	DG
4. Hazards mapping: Data and techniques	FI
Unit-II: Disaster Case Studies	
1. Earthquake: Factors, vulnerability, consequences and management	NB
2. Landslide: Factors, vulnerability, consequences and management	FI
3. Cyclone: Factors, vulnerability, consequences and management	GH
4. Fire: Factors, vulnerability, consequences and management	

GEO/H/CC/P/14: (Practical): Disaster Management

Assigned Faculty: NB

An individual Project Report based on any one case study among the following disasters incorporating a preparedness plan in the vicinity of the candidate's institution or residence:

1. Thunderstorm
2. Landslide
3. Flood
4. Coastal / river bank erosion
5. Fire
6. Industrial accident
7. Structural collapse

GEO/H/DSE/T/03/B: (Theory): Resource Geography	
Topic	**Assinged Faculties**
Unit-I	
1. Natural Resources: Concept and Classification 2. Approaches to resource utilisation :Utilitarian, conservational, community based adaptive	NB
3. Conservation of Natural Resources – Need and Significance 4. Problems of resource depletion - Global scenario (forest, water, fossil fuels)	FI
Unit-II	
1. Distribution, Utilisation, Problems and Management of Metallic Resources: Iron ore, Bauxite 2. Distribution, Utilisation, Problems and Management of Non-Metallic Mineral Resources: Mica, Gypsum	GH
3. Problems and Management of Energy Resources: Conventional and non-conventional	DB
4. Contemporary Energy Crisis and Future Scenario 5. Limits to Growth and Sustainable use of Resources	DG

GEO/H/DSE/T/04/A: (Theory): Soil and Bio Geography	
Topic	**Assinged Faculties**
1. Factors of soil formation; Man as an active agent of soil transformation 2. Concept of soil profile; origin and profile characteristics of Lateritic, Podzol and Chernozem soils	DB
3. Definition and significance of soil properties: Texture, structure and moisture 4. Definition and significance of soil properties: pH, organic matter and NPK	NB
5. Soil erosion and degradation: Factors, processes and mitigation measures 6. Principles of soil classification: Genetic and USDA. Concept of land capability and its classification	FI
7. Concepts of ecology, biosphere, ecosystem, biome, ecotone, community 8. Concept of trophic structure, food chain and food web; Energy flow in ecosystems 9. Geographical extent and characteristic features of Tropical rain forest, Taiga and Grassland biomes	DG
10. Bio-geochemical cycles with special reference to carbon dioxide and nitrogen 11. Deforestation: Causes, consequences and management 12. Bio-diversity: Definition, types, threats and conservation measures	GH