

Choice Based Credit System (CBCS): Syllabus in Geography

**Semester- 6
(Marks-300, Credit- 24)**

Course Opted	Course Name	Credit	Marks		
			IA	ESE	Total
CORE COURSE (CC13)	EVOLUTION OF GEOGRAPHICAL THOUGHTS	6	15	60	75
	CORE COURSE (CC14)	4	15	40	75
	DISASTER MANAGEMENT Practical	2		20	
DISCIPLINE SPECIFIC ELECTIVE(DSE3)	DSE – 3 RESOURCE GEOGRAPHY	6	15	60	75
	DISCIPLINE SPECIFIC ELECTIVE(DSE4)	6	15	60	75
	SOIL AND BIO GEOGRAPHY	6			
TOTAL		26			350

Core Course

❖ **Core course 13: Theory: Evolution of Geographical Thoughts (Credit: 6)**

Unit	S.N.	Topic	Teacher
Unit: 1	1	Definition, Scope and Content of Geography; Geography as a Spatial Science	RD
	2	Geography in Ancient Period: Greek and Roman	RD
	3	Development of Geography in Medieval period: Arabian	RD
	4	Development of Mapping and Knowledge about the World Regional Geography in the Age of Explorations	RD
	5	Classical Geography in 19 th Century: Humboldt, Ritter	RD
	6	Quantitative Revolution and its Critique	RD
Unit: 2	1	German School of Thought	BD
	2	French School of Thought	BD
	3	American School of Thought	BD
	4	Indian Contribution to Geography	BD
	5	Concept of Determinism, Possibilism and Neo-Determinism	BD
	6	Approaches to the study of Geography: Systematic and Regional	BD

References



BOOKS:

Adhikari S. 1992, *Geographical Thought*. Chaitanya Pub. House. Allahabad. Binege. W. 1962, *Theoretical Geography*. Glenerp. London.

Chorley. R.J. and Hagget. P. (eds) 1965, *Frontiers in Geographical Teaching*. OUP. Oxford.

Dikshit. R.D. (eds) 1994, *The Art and Science of Geography: Selected Readings*. Prentice Hall India. New Delhi.

Dunbar. G.S. (eds) 1991, *Modern Geography: An Encyclopaedic Survey*. St. James Press. Chicago.:Gregory D. and Walford. R. (eds) 1988, *Horizons in Human Geography*, Macmillan London.

Hussain. M. 1995, *Evolution of Geographical Thought*, 3rd edition, Rawat Pub. Co., New Delhi.

Johnston. R.J. Gregory. D. Prett. G and Watts. M. 2000, *The Dictionary of Human Geography*. 4th edition. Blackwell Pub. Ltd. London.

Lahiri-Dutt, K. *BhugolChintarBikash*, World Press

Matthews. J.A. and Herbert. J.A. 2004, *Unifying Geography: Common Heritage, Shared Future?* Routledge. London.

Messy D. and Allen J. (eds) 1984, *Geography Matters: A Reader*, Cambridge University Press Cambridge.

Peet. R. 1998, *Modern Geographical Thought*. Blackwell, London.

Kuntala Lahiri Dutta (Bengali Book)

❖ **Core Course 14: Theory- Disaster Management (Credit 4)**

Unit	S.N.	Topic	Teacher
Unit: 1	1	Classification of hazards and disasters	RH
	2	Approaches to hazard study: Risk perception and vulnerability assessment. Hazard paradigms	RH
	3	Responses to hazards: Preparedness, trauma and aftermath. Resilience and capacity building	RH
	4	Hazards mapping: Data and techniques.	RH
Unit: 2	1	Earthquake: Factors, vulnerability, consequences and management	AB
	2	Landslide: Factors, vulnerability, consequences and management	AB
	3	Cyclone: Factors, vulnerability, consequences and management	AB
	4	Fire: Factors, vulnerability, consequences and management	AB

❖ **Core Course 14: Practical- Disaster Management (Credit 2)**

- 2 questions to be answered, each question carries 5 Marks, Totalling 10 Marks;
- Evaluation of Laboratory Note Book: 5
- Viva-Voce 5 Marks

Disaster Management Project WorkList of

Practical RH

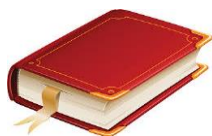
An individual Project Report based on any one among the following disasters incorporating preparedness, mitigation and management plan.

1. Earthquake
2. Landslide
3. Cyclone
4. Flood
5. Drought
6. River Bank Erosion
7. Mining Area Subsidence
8. Tsunami

1. Students will prepare a Project Report based on the topic mentioned by the Department;
2. The report should be typed in MS-Word in English language on A4 size paper in candidate's own words within 2000 words. The total number of pages in the Field Report should not exceed 20 pages including texts, figures, tables, photographs, maps, references (APA) and appendices

3. A copy of the bound report, duly signed by the concerned teacher, should be submitted
4. Preparation of maps with suitable scale and latitude and longitude
5. Preparation of charts/graphs in MS-Excel and duly labelled
6. The report should be typed in MS-Word. The font size is fixed at 12 in TimesNew Roman and the line spacing 1.5

References



BOOKS:

- Government of India. (1997) Vulnerability Atlas of India. New Delhi, BuildingMaterials & Technology Promotion Council, Ministry of Urban Development, Government of India.
- Kapur, A. (2010) Vulnerable India: A Geographical Study of Disasters, SagePublication, New Delhi.
- Modh, S. (2010) Managing Natural Disaster: Hydrological, Marine and GeologicalDisasters, Macmillan, Delhi.
- Singh, R.B. (2005) Risk Assessment and Vulnerability Analysis, IGNOU, NewDelhi. Chapter 1, 2 and 3
- Singh, R. B. (ed.), (2006) Natural Hazards and Disaster Management: Vulnerabilityand Mitigation, Rawat Publications, New Delhi.
- Sinha, A. (2001). Disaster Management: Lessons Drawn and Strategies for Future,New United Press, New Delhi.
- Stoltman, J.P. et al. (2004) International Perspectives on Natural Disasters,Kluwer Academic Publications. Dordrecht.

❖ Core course DSE 3: **Theory:** Resource Geography (**Credit: 6**)

Unit	S.N.	Topic	Teacher
Unit: 1	1	Resource Geography: Its Importance and relation with other sub-disciplines	RD
	2	Resource: Concept and Classification	RD
	3	Functional Theory of Resource	RD
	4	Problems of Resource Depletion with Special Reference to Forest, Water and Fossil Fuels	AB
	5	Resource Conservation: Principles and Methods	AB
	6	Concept of 'Limits to Growth'	AB
Unit: 2	1	Distribution and Utilisation of Metallic Mineral Resources in Indian Context: Iron ore, Bauxite	BD
	2	Distribution and Utilisation of Non-Metallic Mineral Resources in Indian Context: Mica, Limestone	BD
	3	Distribution, Problems and Management of Energy Resources in Indian Context: Conventional (Coal) and Non-Conventional (Solar)	BD
	4	Power resources and problems with reference to Petroleum	RH
	5	Contemporary Energy Crisis and Future Scenario	RH
	6	Sustainable Resource Development	RH

References



BOOKS:

- ▶ Cutter S. N., Renwich H. L. and Renwick W., 1991: Exploitation, Conservation, And Preservation: A Geographical Perspective on Natural Resources Use, John Wiley and Sons, New York.
- ▶ Gadgil M. and Guha R., 2005: The Use and Abuse of Nature: Incorporating This Fissured Land: An Ecological History of India and Ecology and Equity, Oxford University Press. USA.
- ▶ Jones G. and Hollier G., 1997: Resources, Society and Environmental Management, Paul Chapman, London.
- ▶ Klee G., 1991: Conservation of Natural Resources, Prentice Hall, Englewood.
- ▶ Mather A. S. and Chapman K., 1995: Environmental Resources, John Wiley and Sons, New York.
- ▶ Mitchell B., 1997: Resource and Environmental Management, Longman Harlow, England.
- ▶ Owen S. and Owen P. L., 1991: Environment, Resources and Conservation, Cambridge University Press, New York.
- ▶ Rees J., 1990: Natural Resources: Allocation, Economics and Policy, Routledge. London
- ▶ Anish Chottopadhaya (Bengali Book)

❖ *Core course DSE 4: **Theory:** Soil and Bio Geography (Credit: 6)*

Unit	S.N.	Topic	Teacher
Unit: 1 Soil Geography	1	Soil: Definition, Factors of Formation	RH
	2	Development and Characteristics of an ideal Soil Profile	RH
	3	Physical and Chemical Properties of Soil with special reference to Texture, Structure, Organic Carbon and pH	AB
	4	Concept of Zonal, Azonal and Intrazonal Soil; Formation and Profile Characteristics of Laterite and Podsol	AB
	5	Classification of Soil: Russian and Indian (ICAR)	AB
	6	Soil Degradation and Management	BD
Unit: 2 Bio Geography	1	Definition and Scope of Bio-geography, Meaning of Biosphere, Ecology, Ecosystem, Environment, Communities, Habitats, Niche, Ecotone and Biotopes	BD
	2	Biosphere and Energy: Laws of Energy Exchange, Food Chain, Food Web and Energy Flow	BD
	3	Bio-Geo Chemical Cycle: Carbon, Nitrogen	RD
	4	Factors of Plant Growth: Light, Heat, Moisture, Wind, Soil and Topography	RD
	5	Biomes – Concept and Classification; Tropical Rainforest and Temperate Grassland	RD
	6	Threat to Biodiversity- Causes, Consequences and Conservation	RD