



# **TRIPURA UNIVERSITY**

**(A Central University)  
Suryamaninagar-799022**

**Syllabus**

**For**

**Semester – II**

**Geography & Disasters Management (Major & General)**

**Year 2014**

## Geography (Major & General)

### GENERAL COURSE STRUCTURE

SEMESTER	PAPER	TOPIC	MARKS
1 <sup>st</sup>	FIRST	Physical Geography (Theory)	100
2 <sup>nd</sup>	SECOND	A. Human Geography (Theory)	50
		B. Practical	50
3 <sup>rd</sup>	THIRD	A. Economic Geography (Theory)	50
		B. Practical	50
4 <sup>th</sup>	FOURTH	A. Environmental Issues in Geography	50
		B. Practical	50
5 <sup>th</sup>	FIFTH	A. Regional Geography	50
		B. Practical	50

### MAJOR/HONOURS COURSE STRUCTURE

SEMESTER	PAPER	TOPIC	MARKS
1 <sup>st</sup>	FIRST	Geotectonics, Geomorphology and Oceanography (Theory)	100
2 <sup>nd</sup>	SECOND	A. Climatology, Soil and Biogeography (Theory)	60
		B. Practical	40
3 <sup>rd</sup>	THIRD	A. Economic Geography (Theory)	60
		B. Practical	40
4 <sup>th</sup>	FOURTH	A. Population, Settlement and Cultural Geography	60
		B. Practical	40
5 <sup>th</sup>	FIFTH	Geographical Thought and Environmental Issues	100
	SIXTH	Practical	100
6 <sup>th</sup>	SEVENTH	Geography of India and Special paper	100
	EIGHTH	Practical	100

**HONOURS COURSE  
SEMESTER – II  
PAPER – II A (THEORY)  
CLIMATOLOGY, SOIL AND BIOGEOGRAPHY  
Full Marks – 60**

**UNIT – 1 (Climatology) [24 Marks]**

- Precipitation: Causes, Forms and Processes; Types of Rainfall.
- Mechanism of Indian Monsoon with special reference to Jet Stream.
- Climatic Classification: Principles of classification of World's Climate after Koppen and Thornthwait.

**UNIT – 2 (Soil and Biogeography) [24 Marks]**

- Factors of soil formation.
- Concept of Zonal, Azonal and Intrazonal Soils.
- Profile development of Podzols, Chernozem and Laterites.
- Physical (Texture, Structure and Moisture) and Chemical (pH and Organic matter) properties of soil.
- Concept of Ecology and Basic Ecological Principles.
- Concept of Biogeochemical cycles: (a) Hydrological Cycle, (b) Gaseous Nutrient Cycles (Nitrogen Cycle and carbon Cycle), (c) Sedimentary Nutrient Cycle.
- Concept and Components of Ecosystem, Trophic Structure, Food Chain and Food Web.
- Concept of Biome and Major Biomes of the World: (i) Forest, (ii) Grassland and (iii) Marine.

**INTERNAL ASSESSMENT --- 12 Marks**

## REFERENCES

1. Dasgupta A and Kapoor, A.N. (1997): Principles of Physical Geography, S. Chand & Company Ltd.
2. Lal, D.S. (1998): Climatology, Sharada Pustak Bhawan, Allahabad.
3. Menon P.A. (1989): Our Weather, National Book Trust, India.
4. Critchfield Howard J. (1990): General Climatology, 4<sup>th</sup> edition, Prentice Hall of India Pvt. Ltd., New Delhi.
5. Chorley, Richard J. (1985): Atmosphere, Weather and Climate, 4<sup>th</sup> Edition, ELBS.
6. Trewartha: Climatology, Wiley Publishers, New Delhi.
7. Chanda R.C.: Environmental Geography, Kalyani Publishers, New Delhi.
8. Mukherjee S. and Ghosh K.: Environmental Studies, Books Allied Ltd, Kolkata.
9. Futehally Laeeq (1988): Our Environment, National Book Trust, India.
10. Chakraborty Satyesh (2007): Natural Hazards and Disaster Management, Progotisil Prakashok, Kolkata.
11. Dara S.S. (2005): A Textbook of Environmental Chemistry and Pollution Control, S Chand & Company Ltd.
12. Bhattacharyya N.N. (2011): Biogeography, Rajesh Publication, New Delhi.
13. Kumar Arvind (2004): A Textbook of Environmental Science, A P H Publishing Corporation, New Delhi.
14. Gautam Alka (2009): Environmental Geography, Sharda Pustak Bhawan, Allahabad.
15. Singh Savindra (2001): Environmental Geography, Prayag Pustak Bhawan, Allahabad.
16. Valdyia K.S.: Geology Environment Society, University Press.
17. Kumar Saswati (2011): Environmental Studies, Mitra, Kolkata.

**GENERAL COURSE  
SEMESTER – II  
PAPER – II A (THEORY)  
HUMAN GEOGRAPHY  
Full Marks – 50**

**UNIT – 1(Population Geography) [20 Marks]**

- Concept and Scope of Human Geography.
- Composition, Growth, Distribution and Density of Population of the World.
- Concept of Fertility, Mortality and Demographic Transition.
- Migration.

**UNIT – 2 (Cultural and Settlement Geography) [20 Marks]**

- Racial Divisions and Distribution and Linguistic Distribution of the World.
- Rural Settlement: Types and patterns in India.
- Urban Settlement: Definition and Types, Size-Classes and Distribution.
- Urban Issues: Urban Infrastructure, Concept of Urban Morphology and Urban Planning.

**INTERNAL ASSESSMENT --- 10 Marks**

**REFERENCES**

1. Chanda R.C (2002): Geography of Population, Kalyani Publishers, Chennai, Kolkata.
2. Ray Chaudhuri Jayasri (2009): An Introduction to Development and Regional Planning, Orient BlakSwan.
3. Ghosh Sumita (2007): Introduction to Settlement Geography, Orient BlakSwan.
4. Mandal R.B (2001): Introduction to Rural Settlement, Concept Publishing Company, New Delhi.
5. Mandal R.B (2000): Urban Geography, Concept Publishing Company, New Delhi.
6. Sen Jyotirmoy (1998): Janabasati Bhugol, Paschimbanga Rajya Pustak Parsad.
7. Husain Majid (2002): Human Geograpgy, Rawat Publication, New Delhi.
8. Sen Jyotirmoy (2012): Manabio Bhugol, Amar Pustakalaya, Kolkata.
9. Sen Jyotirmoy (2010): Janasankha Bhugol, Books and Allaid (Private) Ltd, Kolkata.
10. Pradhan Nityananda, Bhattacharya. Dyutiman (2004): Adhunik Bhugol, Naboday Publication, Kolkata.

**HONOURS COURSE**  
**SEMESTER – II**  
**PAPER – II B (PRACTICAL)**  
**Full Marks – 40**

- Concept of Scale and Construction of Linear Scale; Principle of Topographical Sheet numbering. [04 Marks]
- Morphometric Analysis: Relative Relief, Dissection Index and Average Slope; Construction of Profiles: Superimposed, Projected and Composite. [10 Marks]
- Soil testing with the help of Field Kit: pH, NPK and Organic matter. [6 Marks]
- Climograph (After G.Taylor) and Hythergraph. [08 Marks]
- Laboratory Notebook and Viva-Voce. [04 Marks]

**INTERNAL ASSESSMENT --- 08**

**REFERENCES**

1. Sarkar Asish: Practical Geography A Systematic Approach, Orient Longman.
2. Singh R.L Singh and Rana P.B (2002): Elements of Practical Geography, Kalyani Publishers, New Delhi.
3. Kanetkar T.P and Kulkarni S.V. (1991): Surveying and Levelling, Part I, Pune Vidyarthi Griha Prakasan, Pune.
4. Singh Raghunandan and Singh Kanaujia: Map work and Practical Geography; Central Book Depot, Allahabad.
5. Saha Pijushkanti and Basu, Partha (2010): Advanced Practical Geography, Books and Allied (P) Ltd.

**GENERAL COURSE**  
**SEMESTER – II**  
**PAPER – II B (PRACTICAL)**  
**Full Marks – 50**

- Scale: Linear and R.F. [05 Marks]
- Study and Interpretation of Weather Maps of India: [10 Marks]  
(i) Rainy Season and (ii) Winter Season.
- Interpretation and Drawing of Temperature – Rainfall Graph. [05 Marks]
- Climatological Instrument reading: [05 Marks]  
(i) Fortein's Barometer, (ii) Dry and Wet Bulb Thermometer, (iii) Six's Maximum and Minimum Thermometer.
- Concept of Contour, Relief Features, Drainage Patterns, Broad Physiographic Divisions. [10 Marks]
- Laboratory Notebook and Viva-Voce. [05 Marks]

**INTERNAL ASSESSMENT --- 10 Marks**

**REFERENCES –**

1. Mitra Kalpana, Ghosh Kuntala and Das Maitreyee (2006): B.A. Honours Practical Geography, Kalyani Publishers, Kolkata.
2. Mitra Kalpana, Ghosh Kuntala and Das Maitreyee (2006): B.A. General Practical Geography, Kalyani Publishers, Kolkata.
3. Bandhopadhyaya Tarun Kumar, Sil Ajit Kumar (2004): Beboharik Bhugol Parichaya, Chhaya Prakasoni.
4. Sarkar Asish (1998): Practical Geography- A Systematic Approach, Orient Longman.
5. Singh Rana P.B, Singh. R. L (2002): Elements of Practical Geography, Kalyani Publishers, New Delhi.
6. Hazra Yudhisthir and Das Dulal (2007): Snatak Beboharik Bhugol, Chhaya Prakasoni.