

SYLLABUS & PROGRAMME STRUCTURE

Geography

(Honours)

(Choice Based Credit System)

(Effective from the Academic Session 2017-2018)

Third Semester

MAHARAJA BIR BIKRAM UNIVERSITY
AGARTALA, TRIPURA: 799004

PROGRAMME STRUCTURE

Structure of Proposed CBCS Syllabus B.A/B.Sc/B.Com Honours.

Semester	Core Course (14) Honours	Ability Enhancement Compulsory Course (AECC) (2)	Skill Enhancement Course (SEC) (2)	Discipline Specific Elective (DSE) (4)	Generic Elective (GE) (4)
1	C1 C2	AECC1: Environmental Science			GE1 (Paper-I of selected subject other than Hons subject)
2	C3 C4	AECC2 : (English/MIL (Communication)			GE2 (Paper-II of selected subject other than Hons subject)
3	C5 C6 C7		SEC1		GE3 (Paper-III of selected subject other than Hons subject)
4	C8 C9 C10		SEC2		GE4 (Paper-IV of selected subject other than Hons subject)
5	C11 C12			DSE1 DSE2	
6	C13 C14			DSE3 DSE4	

Semester – III
Core Course: Paper - V
Oceanography and Biogeography (Theory)
Full Marks – 70

Unit: 1

- Oceanography: Definition, Significance; Surface configuration of ocean floor: Pacific Ocean, Atlantic Ocean and Indian Ocean
- Oceanic circulation system: Pacific Ocean, Atlantic Ocean and Indian Ocean
- Tides

Unit: 2

- Temperature, Salinity and Density of ocean water
- Coral reefs and atolls: Theory of Daly and Murray
- Marine deposits and Ocean resources

Unit: 3

- Biogeography: Nature and Scope; Content and Nature of biosphere; Concept of ecology and basic ecological principles; World distribution of plants and animals
- Components of ecosystem; Trophic structure; Food chain and Food web; Concept of biome; Forest biome, Marine biome and Tundra biome; Biogeochemical cycles (Carbon, Oxygen, Nitrogen and Hydrological Cycle)

Unit: 4

- Deforestation and loss of biodiversity; Soil erosion and conservation; Ozone depletion; Global warming and climate change.
- Pollution: Concept, causes, consequences and control of – air, water, soil and noise pollution

Internal Assessment – 10 marks

References:

1. Lal, D. S. (2003): Oceanography, Sharda Pustak Mahal
2. Singh, Savindra (2013): Oceanography, Pravalika Publications (Allahabad)
3. Singh, Savindra (2017): Environmental Geography, Pravalika Publications (Allahabad)
4. Bhattacharya, N. N. (2003): Biogeography, Rajesh Publications

Semester – III
Core Course: Paper - V
Practical
Full Marks: 30

- Soil Testing and Analysis: Soil P^H, Nitrogen, Phosphorous, Potassium and Organic matter testing using field kit
- Ternary Diagram using soil data

Internal Assessment – 10 marks

References:

1. Carter, M. R. and Gregorich, E. G. (2007): Soil Sampling and Methods of Analysis, CRC Press
2. Singh, T., Avinash (2014): Soil Science: A Practical Perspective with Glossary and Facts about the Soil, Biotech Books

Semester – III
Core Course: Paper - VI
Geography of India (Theory)
Full Marks – 70

Unit: 1

- Geology, Physiography and Drainage
- Climate, Soil, Natural Vegetation and Forest Resources

Unit: 2

- Mineral and Power resources: Distribution and utilization of iron ore, bauxite, coal, petroleum and hydel power
- Agriculture: Agro-climatic regions of India
- Industry: Industrial regions of India

Unit: 3

- Population distribution and density, growth, age-sex ratio, literacy
- Spatial distribution of population by race, caste, religion, language and tribes

Unit: 4

- Site and Situation of Settlement
- Rural settlement: Types and patterns
- Environmental influence on rural house building
- Urban settlement: Classification (on the basis of size and functions)
- Problems of towns and cities in India

Internal Assessment – 10 marks

References:

1. Khullar, D. R. (2018): India: A Comprehensive Geography, Kalyani Publication
2. Husain, Majid (2017): Geography of India, McGraw Hill Education

Semester – III
Core Course: Paper - VI
Practical
Full Marks: 30

- Survey of India Topographical Map Interpretation (Plain Region): Physical and cultural landscape with suitable attributes

Internal Assessment – 10 marks

References:

1. Sarkar, A. (1998): Practical Geogrphy: A Systematic Approach, Orient Longman Ltd.
2. Saha, Pijushkanti, Basu, P. (2013): Advanced Practical Geography, Books and Allied Ltd.

Semester – III
Core Course: Paper - VII
Political and Cultural Geography (Theory)
Full Marks – 70

Unit – I

- Political Geography: Meaning, Nature and Scope of Political Geography; Concept of Organic State by Spencer and Schaffle and Ratzel
- Geopolitics: Concept, Present and Future; Global Change and Geopolitics
- Concept of Territoriality, State and Nation
- Concept of Frontiers and Boundaries

Unit – II

- Federalism: Concept, Federalism as geographical phenomenon
- Federalism and the State idea; Nation-building in Federal Societies
- Federalism in India.
- Global Strategic Models: Mahan's Sea Power Concept; The Heartland Model, Rimland Model, Relevance of Heartland-Rimland Model today

Unit – III

- Cultural Geography: Meaning, Nature and Scope of Cultural Geography
- Themes in Cultural Geography: Cultural Region, Cultural Diffusion, Cultural Ecology, Cultural Integration and Cultural Landscape

Unit – IV

- Concept of Race, Racial divisions and distribution
- Concept of Language, Linguistic families and their distribution
- Concept of Religion, the main religions of the world and their distribution
- Cultural Hearth and Cultural Realm

Internal Assessment – 10 marks

References:

1. Adhikari, Sudepta (2002): Political Geography, Rawat Publications
2. Mohanty, G. S. (2007): Political Geography, Isha Books
3. Broek Jan, O. M. and Jan Otto, Marius (1978): Geography of Mankind, McGraw Hill Companies
4. Jordan Terry, G. and Lester, Rowntree (1990): The Human Mosaic: Thematic Introduction to Cultural Geography, Longman

Semester – III
Core Course: Paper – VII
Practical
Full Marks: 30

- Cartograms: Concept, Drawing and Interpretation –
 - a. Chorocromatic and Choroschematic
 - b. Line Graph and Bar Graph (using MS Excel)
 - c. Flow Diagram
 - d. Dots and Spheres, Proportional Pie Graphs and Proportional Squares
 - e. Isopleth and Choropleth
 - f. Age-Sex Structure – comparison between developed and developing countries

Internal Assessment – 10 marks

References:

1. Sarkar, A. (1998): Practical Geography: A Systematic Approach, Orient Longman Ltd.
2. Saha, Pijushkanti and Basu, P. (2013): Advanced Practical Geography, Books and Allied Ltd.