

Address: UNIPES  
Telephone No: 241967/241911  
Fax: 241921/241922

Website: www.unimysore.ac.in

UNIVERSITY OF MYSORE



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UNIVERSITY OF MYSORE  
KARVA SUDHA  
RAJWADI, POST BOX NO. 406  
MYSORE 570 005

No AC.2(S)/401/0-14

Dated: 24-05-2014

NOTIFICATION

**Sub: Modification of the existing syllabus**

- Ref: 1. Proceedings of Faculty of Science & Technology Meeting held on 14-02-2014  
2. Proceedings of the Meeting of Academic Council held on 28-03-2014

The Board of Studies in Geography (UG) at its meeting held on 22-11-2013 has resolved to reframe the existing Geography syllabus of UG programme from the academic year 2014-15.

The Faculty of Science and Technology and the Academic Council at their meetings held on 14-02-2014 and 28-03-2014 respectively approved the above proposals and the same is hereby notified.

The copy of the modified syllabus of Geography (UG) is annexed herewith.

REGISTRAR

To

1. The Registrar (Evaluation), University of Mysore, Mysore.
2. The Chairperson, BOS/DOS in Geography, MGM.
3. The Dean, Faculty of Science & Technology, DOS in Zoology, MGM.
4. The Principals of the Affiliated Colleges.
5. The Deputy Assistant Registrar (Evaluation), University of Mysore, Mysore.
6. Sr. Narasimha Murthy, Statistician, E. B. UOM, Mysore.
7. The Supdt. A. & AC, A. B. Academic Section, RMES, UOM, Mysore.
8. The P. A. to the Vice-Chancellor, Registrar (Registrar, Evaluation), UOM, Mysore.
9. The Case Worker, AC 7, Academic Section, University of Mysore, Mysore.
10. The Section Guard, File/Supdt. AC 21, A. B. A. C. UOM.
11. The Section File.

(ANNEXURE I)

GEOGRAPHY SYLLABUS FOR THE YEAR 2013-14

SEMESTER-1  
PAPER – 1 PHYSICAL GEOGRAPHY, PART – 1

LAND FORMS

- 1.1 Field and Scope of Physical Geography.  
1.2 Origin of the earth (a) Nebular theory (b) Tidal Theory  
2.0 Distribution of land and water bodies  
a. Tetrahedron theory and its criticism.  
b. Continental drift theory of Wegener  
2.1 Structure and Composition of the earth  
2.2 Rocks-Origin, types, Characteristics  
2.3 Weathering of rocks-physical, chemical and biological  
3.1 Forces of the earth-Orogenic and Epirogenic- Folds and faults  
3.2 Earthquakes and Volcanoes  
Causes, Effects, distribution and related land forms.  
4.0 Major landforms-Mountains, Plateaux and plain  
– Evolution, types and Characteristics.  
5.0 Denudation-Agents of Denudation-  
a. River b. Glacier c. Wind d. Underground water

References:

1. Dasagupta and Kapoor. Principles of Physical Geography, S.Chand and Co.New Delhi.2001.
2. Enayat Ahmed Physical Geography, Kalyani publishers Luldhiana 1982.
3. Mallappa:P. Physical Geography,(Kannada Version) Chethana Book House, Mysore 2000.
4. Ranganath: Principles of Physical GSeography, (Kannada Version). Vidhyanidi Gadag, 2003.
5. Savindra Singh: Physical Geography. Pravag, Pustak Bhavan, Allahabad – 1998.

## SEMESTER – II

### PHYSICAL GEOGRAPHY, PART II ATMOSPHERE AND HYDROSPHERE

- 1.0 Atmosphere- structure and composition
- 1.1 Weather and Climate-meaning and factors
- 1.2 Atmospheric temperature-distribution, vertical and horizontal
- 2.1 Atmospheric pressure-distribution, pressure belts
- 2.2 Winds-Planetary, seasonal and local.
- 2.3 Cyclones – tropical and temperate, anticyclones.
- 3.1 Humidity- Absolute and relative Humidity Condensation-clouds, types
- 3.2 Precipitation- Rainfall, types
- 4.1 Submarine topography-continental shelf, slope, deeps, Abyssal plain, ridges
- 5.1 Movements of ocean water-tides Currents-Atlantic, Pacific and Indian Ocean.
- 5.2 Coral reefs and atolls

SEMESTER – III PAPER – III

REGIONAL GEOGRAPHY OF THE WORLD

- 1.1 Concept of region and Regional Methods.
- 1.2 Physical features of the world-major mountains, plateaux and plains types & distributions.
- 2.1 Major climatic regions of the world, based on Koppens classifications
- 2.2 Major river systems of the world.
- 2.3 Natural Vegetation-types and distribution.
- 3.0 Agriculture-influencing factors-types-shifting, intensive, extensive, plantation and maxed farming.  
Industrial regions of the world-factor of industrial concentrations  
Major regions-North East. U.S.A.  
-Industrial regions of Japan  
Western Europe  
Industrial regions of China.
- 5.1 Population-Growth, Distribution and density, Demographic cycle

References:

1. Heintzelman and High Smith: World Regional Geography. Prentice Hall, New Delhi 1965.
2. Husain M : World Geography, Rawat, Jaipur, 2004.
3. Tikka, BNali, Sekhon: World Regional Geography, New Academic Publishing Company, Jalandhar, 2002.
4. Ranganath : Regional geography of the world, Vidhanidhi Gadag, 2006.

## SEMESTER – IV PAPER – IV

### HUMAN GEOGRAPHY

- 1.1 Definition-field and importance.
- 1.2 Relationship of Human geography with History, Economics and Anthropology.
- 1.3 Development of Human Geography, Environmental determinism – Possibilism  
Alexander von Humboldt, Carl Ritter, Friedrich Ratzel, Vidal de La Blach, Al Masoodi, Al Idrisi, Ibn Batoota.
- 2.1 Culture-Cultural factors-race and religion.
- 2.2 Human Migrations-causes, types, consequences.
- 3.1 Global distribution of Primitive tribes: Eskimos, Kirgiz, Pygmies.
- 4.1 Settlements-types, rural and urban settlements location and types
- 5.1 Concept of state and nation
- 5.2 Frontiers, boundaries and buffer zones
- 5.3 Geo-Strategic theories-Heartland and Rim land theories

#### References:

1. Dickens and Pitts : Introduction to Human Geography, 1963.
2. Harm d. Blij : Human and Economic Geography, Mac Millan, New York 1992
3. Hussain M. : Human Geography, Rawat Publications Jaipur,2003.
4. Nellson, Gabler & Vining : Human Geography, People, Cultures and Landscapes.1995
5. Peter Daniels, : Michael Bradshaw : Denis Shaw, James : Sidaway:  
Human Geography, Issues for the 21<sup>st</sup> Century, Pearson 2003.
6. Norris and Haring : Political Geography, Charies.E.Merill Publishing Company.
7. Ranganath : Principles kof Human Geography (Kann.ver.) Vidyanidhi,  
Gadag,2002.
8. Rubenstein J.M. : An Introduction of Human Geography, Macmillan Publishing  
Company 1992.

SEMESTER – V PAPER- V

GEOGRAPHY OF INDIA, PART – I

- 1.1 Location: Size and Extent
- 1.2 Physiographic Divisions- Northern Mountains.
  - Great Plains of Northern India
  - Peninsular Plateau
  - Coastal Plains and Islands
- 2.1 Climate-Seasons, Mechanism of Monsoons, Droughts and floods
- 3.0 Rivers of India
- 3.1 Soils-Characteristics-types, distribution, soil erosion, conservation and dry land development programme
- 3.2 Forest resources-types, distribution, conservation and social forestry.
- 4.2 Multipurpose river valley projects a. Bhakra Nangal b. Damodar vally project
- 5.1 Agriculture – Types, Characteristics, Green revolution, White revolution.
- 5.2 Major Agricultural regions-NRSA Classification

**References:**

- 1. Gopal singh : A Geography of India. Atmarama and Sons, new Delhi.
- 2. ICAR : Cropping pattern in India. 1974
- 3. Mathur, S.M. : Physical Geology of India, NBT 1991.
- 4. Ranganath : Regional and economic Geography of India(Kan.Ver) Vidyanidhi Gadag.2002
- 5. Ranjit Thirtha : Geography of India, Raniat. Jaipur 1996.
- 6. Khullar D..R.. : India a Comprehensive Geography, kalyani Publishers Ludhiana 2000
- 7. Tiwari R.C. : Geography of India, Prayag Pustak Bhawan, Allahabad 2 ed. 2003.

## SEMESTER – V PAPER-VI(CHOICE PAPER)

### REGIONAL GEOGRAPHY OF KARNATAKA

- 1.1 Physical setting – Location. Size and extent
- 1.2 Relief features, climate, and soils
- 2.1 Rivers-water Resources potential and utilization
- 2.2 Irrigation – types – Major River Valley Projects Tungabhadra, Kali Project, Krishna Raja Sagar Project
- 3.1 Forest Resources – Types of forests, social forestry wild life sanctuaries
- 3.2 Agriculture-types and agricultural regions, dairying.
- 3.3 Mineral and power resources. Iron ore, manganese, Electricity-Power crisis.
- 4.1 Industries- Growth and development, Major industries – Sugar, Silk.
- 4.2 Transportation-Patterns of Roads and Railways-Ports and Harbours.
- 5.1 Human Resources-Growth and distribution of Population.
- 5.2 Urbanisation-trends and patterns.

#### References:

1. Karnataks State Gazetteer, 2 Volumes.
2. Mallappa : Geography of Karnataka(Kan. Ver)
3. MKisra R.P. : Geography of Mysore State

## SEMESTER – VI PAPER – VII

### REGIONAL GEOGRAPHY OF INDIA, PART – II

- 1.1 Human Resources : Growth, Distribution and Density, Composition-Literacy, Sex ratio.
- 2.1 Mineral Resources : Distribution, Production and trade of Iron, Managanese, Bauxite
- 2.2 Power-resources : Distribution, Production and trade of Coal, Petroleum, Natural gas  
Electricity: Thermal Hydel and Atomic-non conventional sources of Energy-power crisis.
- 3.1 Industries : Location, distribution and production trend of Iron steel, cotton Textiles  
Sugar, Paper Industries Industrial regions.
- 4.1 Transportations : Detailed study of Network of Roads, NHDP, Railways, Airways
- 4.2 Trade : International-Volume direction and composition of Foreign trade-  
Recent trends
- 4.2 Tourism : factors influencing the Development of tourism, types of major tourist centers  
– Problems and Prospects of tourism in India.



## SEMESTER VI PAPER- VIII (CHOICE PAPER II)

### ECONOMIC GEOGRAPHY OF THE WORLD

1. Definition field, importance and approaches of Economic Geography  
Resources-Concept, Characteristics, types-conservation and Management.
- 2.1 Agriculture-major crops-Rice, wheat, cotton sugarcane-coffee and tea.
- 2.2 Animal Husbandry- dairy farming regions.
- 2.3 Fishing-Influencing factors- major Fishing areas-aqua culture.
- 3.1 Mineral resources-iron ore, manganese.
- 3.2 Power Resources-coal, petroleum.
- 4.1 Industrial Location-factors influencing industrial location,
- 5.1 Transcontinental Roads and Railways-Major ocean routes  
—shipping canals of the world
- 5.2. International trade-basis of trade, Patterns and trends

#### Reference:

1. Alexander and Hartshorne : Economic Geography Prentice-Hall. IIIrd ed.2000
2. Guha and Chattorj : A New approach to Economic Geography:
3. Khanna and Gupta : World Resources and Trade. S.Chand and Company. New Delhi.
4. Mallappa : Economic Geography(Kan.Ver)Chetana Book House, Mysore-2001.
5. Ranganath: Geography of Industrial Resources, Vidyanidhi Prakashna Gadag 2001.