

PET - 2014

Ph.D. Entrance Test in Geography Syllabus:

1. Geomorphology :

Unit I: Definition and Scope of Geomorphology. Applied and environmental Geomorphology. Fundamental concepts in Geomorphology.

Unit II: Earth movement-epirogenic, orogenic and cymetogenic earth movement, Forces of crustal instability-Isostacy and plate tectonic, orogenic structure with reference to the evolution of the Himalaya.

Unit III: Geomorphological processes. Fluvial, Glacial, Karst, coastal and aeolin process and resulting land forms.

2. Climatology :

Unit I: Composition and division of atmosphere Impact of ozone layer.

Unit II: Air pressure belts. Planetary. Seasonal winds, cyclones, Anticyclones. Jet- streams, Blizzards, Brick fielders, Norwesters, Loo winds ocean atmospheric interaction EL NINO.

Unit III: Air mass and frontogenesis
Atmospheric moisture – Humidity, evaporation condensation
Types of precipitation and clouds. Acid rainfall.

3. Geography of Tourism :

Unit I: Concept of Tourism geography. Factors influencing tourism
Historical, Natural socio cultural and economical. Motivational factors for tourism and pilgrimages. Types of Tourism natural, cultural, adventure tourism.

Unit II: Development or tourist centers in India especially hill stations. Religious places, National parks, sanctuaries, sea shores, sea beaches.

Unit III: Infrastructure and support system for tourism. Accommodation, transportation, market, medical facilities, Hotels, water supply. Role of Indian metro politan cities in tourism.

4. Geography of Resources :

Unit I: Concept of resources. Urbanization of resources, degradation of resources.

Unit II: Classification of resource

Soil resources, forest, water and power resources.

Unit III: Conservation of resources. Soil, forest conservation. Water and conservation of power resources.

5. Geography of India :

Unit I: Minerals – Metallic and Non metallic minerals in India, Major mineral based industries.

Unit II: Agricultural Land use. Major crops, measurement of agricultural productivity. Agricultural regions. Economic condition of the farmers and field workers.

Unit III: Population: Population distribution, population density, composition of population, migration of population, population policy in India.