GUJARAT UNIVERSITY
Syllabus for F.Y.B.A. Geography
Semester – I

Core 101/ Elective-10 : Physical Geography : Lithosphere

Unit- I : Introduction to Earth as a member of the Solar System . Internal
structure of the Earth, Earth’s crust, Distribution of land and
waterbodies.

Unit-II : Rocks- their types and modes of occurrence, Earth movements,
Folds, Faults and associated landforms.

Unit-III : Earthquakes and volcanoes , causes, effects and world
distribution.

Unit-IV : Denudation, Weathering - types, features, Erosion, work of
Rivers, Glaciers, Wind, Sea Waves, Groundwater and Springs
and Artesian Wells.

Suggested Readings :

1 Lake, P(1985) : Physical Geography (Indian edition)
2 Lal, D.S. :Physical Geography , Sharda Pustak Bhavan , Allahabad
3 Monkhouse F.J. : Principles of Physical Geography
4 Strahler and Strahler : Modren Physical Geography, John Willey &
   Sons, Canada
5 Singh, Savinder (1997) : Physical Geography, Prayag Pustak Mahal,
   Allahbad
6 Shah, M.R. Bhautik Bhugol, Uni.Granth Nirman Board
7 Shah, M.R. Bhuruuprachana Shastra Uni.Granth Nirman Board
8 Shah, M.R. Bhutakshan Uni.Granth Nirman Board
Core-102 / Elective-10 : Geography of Gujarat- I
( Physical & Resources )
( First Subsidiary )

Unit-I : Location and physiographic divisions: Location, area, neighbouring States, Country, Major physiographic divisions: the Gujarat plains, the Saurashtra plateau, Katchchh the Coastal low land, the Eastern hilly area, Katchchh geological base.

Unit-II : Drainage pattern: Major rivers and other water bodies, Climate and natural vegetation: monsoon phenomena over Gujarat, seasons, factor’s affecting climate Natural vegetation – Types, distribution

Unit-III : Rocks, minerals and groundwater: types and distribution of rocks, coal, oil & natural gas resources – nonmetallic and non-fuel resources – Limestone, Fluorspar, Metallic resources

Unit-IV : Land - soil – water and forest resources – nature, characteristics, types and distribution.

Suggested Readings :

2. Dave, Manjula Gujaratni Pradeshik Ane Arthik Bhugol, University Granth Nirman Board, Ahmedabad
4. Census of India : Gujarat Nakshama, University Granth Nirman Board, Ahmedabad
5. Gujarat Vishwakosh Trust : Gujarat (in Gujarati) Gujarat Vishwakosh Trust , Ahmedabad
8. Directorate of Information: Government of Gujarat
Elective-10: Lithospheric Hazards
(Second Subsidiary)

Unit-I: Introduction to Lithosphere: origin, structure, processes, and formation and nature, characteristics and extent; Distinction between Hazard and Disaster

Unit-II: Lithospheric hazards: Introduction, types, characteristics, intensity and impact; Landslides, avalanches, causes, distribution and impact

Unit-III: Earthquakes, Volcanoes and Tsunamis – types, causes, distribution and environmental and socio-economic impacts

Unit-IV: Historical survey of lithospheric hazards of the world, basics of Disaster Management

Suggested Readings:

2. Shukla, Rajesh Rashmi (2009): Bhautik Bhugol (Hindi) Arjun publication house
GUJARAT UNIVERSITY
Syllabus for F.Y.B.A. Geography
Semester - II
Core 111 / Elective-11 : Physical Climatology and Oceanography

Unit- I : Atmosphere: Composition and structure, elements and factors of climate, factors influencing insolation, distribution temperature, pressure, types of winds

Unit-II : Elements of climate: temperature humidity, types of clouds, precipitation – forms, types and distribution of rainfall

Unit-III : Ocean relief, distribution of temperature, salinity and density of ocean water.

Unit-IV : Circulation of oceanic waters, waves, tides and major currents, its impact on human life.

Suggested Readings:

10. Strahler and Strahler : Modern Physical Geography, John Wiley & sons, Canada.
Core-112/ Elective-11 : Geography of Gujarat - II
( Economic activities, population and development )
( First Subsidiary )

Unit-I : Agriculture : Crop regions – food crop, cash crop, fruit crop, agricultural development, problems and prospects, livestock rearing it contribution to economic development

Unit-II : Energy & Industry : power plants : Hydel, thermal ,atomic units, Non – Conventional energy sources , wind , solar and bio-gas, Industrial regions and development, Cement, Petro-chemicals, textiles, edible oil , dairy and automobile industries

Unit-III :Transport & Trade -Transport network-pattern and density-road,rail,airways and ports , Trade - local, regional, national and international.

Unit-IV :Population – distribution, density, Demographic characteristics, urban, rural and tribal population,their distribution and problems, Urbanization, industrialization and development patterns in Gujarat, Contemporary issues and development Trends.

Suggested Readings :

2. Dave, Manjula : Gujaratni Pradeshik Ane Arthik Bhugol,
   University Granth Nirman Board, Ahmedabad
3. Kothari, Nitin : Aadhunik Bharatni Bhugol
   Parshwa Publication, Ahmedabad
4. Census of India : Gujarat Nakshama, University Granth Nirman Board, Ahmedabad
5. Gujarat Vishwakosh Trust : Gujarat (in Gujarati)
6. Census of India: Gujarat part- II – A&B General Census Table.
Elective -11 : Atmospheric Hazards
(Second Subsidiary)

Unit-I: Meaning, Scope and Significance of Atmospheric hazards, types of atmospheric hazards

Unit-II: Atmospheric Hazards: introduction, types, characteristics, intensity and impact- Tropical cyclones, Temperate cyclones and Tornado -origin, development and their distribution and impact

Unit-III: Thunderstorms, Lightening, Cold waves and Hot waves- their origin, characteristics, distribution and impact

Unit-IV: Flood, Drought and Famine as extremes of regional atmospheric condition, their causes, consequences distribution and impact on society and economy

Suggested Readings: