



GOA UNIVERSITY
Taleigao Plateau

SYLLABUS FOR GOA UNIVERSITY ADMISSIONS RANKING TEST (GU-ART) IN GEOGRAPHY

I) NATURE OF GEOGRAPHY

- a) Introduction, Meaning and Definition of Geography
- b) Major Divisions of Geography: Physical V/S Human Geography
- c) Geography as Interdisciplinary Science, Recent Trends in Geography.

II) MAJOR CONCEPTS AND THEMES IN GEOGRAPHY

- a) Environmental Determinism, Possibilism, Neo-Determinism (Stop And Go Determinism)
- b) Location, Place, Man-Environment Interaction, Movement & Region

III) DOMAINS OF GEOGRAPHY

- a) Study of Lithosphere, Atmosphere, Hydrosphere and Biosphere
- b) ((Coppler)) Study of Earth & Moon with reference to Rotation, Revolution, Eclipses, Phases of Moon.
- c) Scheme of Endogenic and Exogenic Forces, Orders Of Relief -I, II, III.
- d) Ocean Relief: Continental Shelf, Slope, Deep Sea Plain and Trenches.
- e) Meaning & Elements of Weather & Climate, Insolation.
- f) Hydrological Cycle, Evaporation, Condensation, Precipitation and Types of Rainfall

IV) GEOGRAPHY OF LANGUAGE AND RELIGION

- a) Meaning and Definition and Characteristics of Language and Religion.
- b) Linguistic Classification In India
- c) Language, Culture, Religion and Conflicts

V) CONTEMPORARY ISSUES IN GEOGRAPHY

- a) Gender and Inequality, Race- Ethnicity and Equality
- b) Nutrition, Health and Disease

VI) GEOGRAPHY OF NATURAL RESOURCE DEVELOPMENT

- a) Factors & Distribution of Major Fishing Grounds
- b) Tropical & Temperate Forestry, Forest Products
- c) Metallic Resources: (I) Ferrous - Iron Ore Mining (II) Non- Ferrous - Bauxite Mining
- d) Fuel & Power Resources: (I) Fossil Fuels - Coal, Petroleum (II) Renewable Resources: Hydel Power (III) Non-Conventional Energy Resources - Solar, Tidal, Wind & Geothermal.

VII) WORLD AGRICULTURE

- a) Intensive and Extensive Farming, Subsistence and Commercial Farming, Mixed and Plantation Agriculture.
- b) Crops: Cereals - Rice & Wheat, Cash Crops: Beverages-Tea & Coffee, Industrial Crops: Cotton & Sugarcane

VIII) GEOGRAPHY OF SECONDARY ACTIVITIES

- a) Least Cost Theory, Profit Maximization Theory, Behavioural Location Theory.
- b) Changing Order in Textile Apparel Production
- c) Capital-Intensive: Steel & Automobile Industry
- d) Knowledge Intensive High Technology Activities
- e) Electrical, Electronic, Biotechnology & Telecommunication Industry
- f) Rank Size Rule, Central Place Theory, Break Point Theory, World City Patterns
- g) Wholesale and Retail Structures

IX) GEOGRAPHY OF TERTIARY ACTIVITIES

- a) World Transport System: Land (Road & Railways), Water (North Atlantic And Suez Routes) (Canals; Suez & Panama), Air Transportation
- b) Communication System: Importance Of Media, Newspaper, Radio, T.V., Satellite
- c) Remote Sensing & It Revolution
- d) World Trade: Geography Of International Business: Dynamics & Strategies
- e) Changing Form of International Business Free Trade Initiatives and GATT

X) CARTOGRAPHIC DATA REPRESENTATION

- a) Definition of Scale, Verbal Scale and Representative Fraction, Conversion of Scale
- b) Contours diagrams – hills, plateaus, mesa, cliff, V-shaped valley, waterfall, escarpment, spur, U-shaped valley, Hanging Valley, Volcano with crater, Ria coast, Fiord coast.
- c) Statistical Diagrams: Line and Bar Graph, Pie Diagram; Age-Sex Pyramid, Ergo-graph (Circular), Tri-Linear Chart, Flow Diagrams, Proportional circles, Spheres and Pictograms.
- d) Choropleth and Dot Map
- e) Sampling: i) Random Sampling ii) Systematic Sampling iii) Stratified sampling iv) Cluster Sampling.

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