

TEST: 16**GEOGRAPHY-
ECONOMIC
& HUMAN
+ CURRENT
AFFAIRS****22 FEBRUARY, 2020****UPSC Syllabus**

- Distribution of key natural resources across the world (including South Asia and the Indian sub-continent)
- Factors responsible for the location of primary, secondary, and tertiary sector industries in various parts of the world (including India)
- Population and associated issues
- Rural and Urban settlement
- Urbanization, their problems and their remedies
- Census
- Infrastructure: Energy, Ports, Roads, Airports, Railways etc.

Sub-Topic Listing**ECONOMIC GEOGRAPHY****(1) Basics of Economic Geography**

- **Definition, Development and scope of Economic Geography**
- **Type of Economic Activities**
 - ▶ Primary Activities
 - ▶ Secondary Activities
 - ▶ Tertiary, Quaternary and Quinary Activities
- **Recent Themes and Concepts in Economic Geography**
 - Agglomeration Economies
 - Neo-liberalism
 - Rise of macro regional Economic block
 - Ethnicity in Economic Geography
 - Concept of digital divide

(2) Resource

- **Land Resource**
 - ▶ Land-use Pattern and changes
 - ▶ Problems of Land Resources:
 - Land Degradation: Causes and Impact
 - Concept of Land Degradation Neutrality
 - ▶ Land Use Planning and Policy
- **Water Resources**
 - ▶ Extent of Water Resources
 - ▶ Water Resource Potential of India

- ▶ Utilization and related problems (Pollution)
- ▶ Inter- state water disputes in India
- ▶ Water management, conservation and Development
- ▶ National Water Policy
- **Mineral Resources**
 - ▶ Types of Mineral Resources
 - ▶ Distribution Pattern of Minerals in World
 - ▶ Major Mineral Belts of India
 - ▶ Problems related to mining
 - ▶ Conservation of Mineral Resources
 - ▶ National Mineral Policy, 2019
- **Energy resources**
 - ▶ Classification of Energy Resources
 - ▶ Distribution and production trend of major energy Resources
 - Coal
 - Petroleum
 - Natural gas
 - ▶ Strategic Oil Reserves
 - ▶ Exploration of Coal Bed Methane
 - ▶ Non-Conventional Energy Resources
 - Solar Energy
 - Wind Energy
 - Geothermal

- ▶ Nuclear Energy Resources: Challenges and prospects in India
- **Recent Debates on Resources**
 - ▶ Geopolitics of Natural Resources
 - ▶ Globalisation and unsustainable exploitation of natural resources
 - ▶ Depletion of natural resources versus Economic Growth
 - ▶ Changing Pattern of Land Use and Causes
 - ▶ Water Crisis: Causes, Conflicts and Resolution
 - ▶ Energy Crisis
 - ▶ Challenges and constraints faced by coal sector
 - ▶ Challenges in Hydropower sector
 - ▶ Renewable Energy: way toward sustainability
 - ▶ Energy Security: Energy Policy and strategy in India

(3) Agriculture

- **Agriculture Basic Terminologies**
 - ▶ Cropping pattern
 - ▶ Agriculture Productivity
 - ▶ Agriculture Intensity
 - ▶ Land capability
- **Location of agriculture**
- **World Agriculture Typologies**
- **Salient features of Indian Agriculture**
- **Problems of Indian Agriculture**
- **Factor Affecting Agriculture**
 - ▶ Geographical factors
 - ▶ Institutional factors
 - ▶ Technological factors
- **Major Crops and conditions for growth**
- **Regionalization of Agriculture**
- **Various Revolutions in Agriculture Sector**
 - ▶ Green Revolution
 - Impact of Green Revolution
 - Evergreen Revolution
 - ▶ White Revolution
 - ▶ Operation Flood
 - ▶ Blue Revolution
- **Agricultural Policies and Initiatives**
 - ▶ Minimum Support Price: Benefits and Challenges
 - ▶ Agriculture Market Produce Committees: Issues
 - ▶ National Agriculture Market (NAM)

- ▶ Agricultural Produce and Livestock Marketing (Promotion and Facilitating) Act (APLM), 2017
- ▶ National Livestock Mission
- ▶ National Programme for Bovine Breeding and Dairy Development (NPBBD)
- ▶ RashtriyaGokul Mission
- ▶ Agriculture Export Policy, 2018
- ▶ Pradhan MantriKisanSamman Nidhi (PM-KISAN)
- ▶ Pradhan Mantri Annadataaay Sanrakshan Abhiyan (Pm-Aasha)
- ▶ Operation Greens
- ▶ Dairy Processing & Infrastructure Development Fund (DIDF)
- ▶ Fisheries and Aquaculture Infrastructure Development Fund (FIDF).
- ▶ Agriculture Census

■ **Food Security**

- ▶ Nature of Food Insecurity: Duration, Severity and types
- ▶ Trend and Pattern in Food Insecurity
- ▶ Causes and Geography of famine
- ▶ Key Dimension of food security
- ▶ Efforts and Remedies to ensure food security

■ **Agricultural in Discussion**

- ▶ Controversy over GM Crops: Benefits and Issues
- ▶ Impact of climate Change on Agriculture
- ▶ Evergreen Green Revolution for Sustainable Livelihood
- ▶ Rainbow Revolution
- ▶ Blue Revolution: Impact on Rural Economy
- ▶ Climate Smart Agriculture
- ▶ Need of Agriculture Diversification
- ▶ Mixed farming: Hedging Agriculture Risks
- ▶ Problems and Prospects of dry-zone agriculture
- ▶ Plantation Agriculture: Issues involved
- ▶ Challenges of increasing Agriculture Productivity and Production
- ▶ New 'White Revolution': Need, Scope and Challenges
- ▶ Contract Farming: Benefits and Challenges
- ▶ Role of infrastructural and institutional factors in the recent transformation of Indian agriculture
- ▶ Impact of advanced agricultural technologies on the Environment

- ▶ Soil Health Card scheme and rationalisation of fertilizer subsidies
- ▶ Food Security: India's Vulnerability and way-out

(4) Industry

- **Classification of Industries**
- **Factors affecting location of Industries**
 - ▶ Weber's Model of Industrial Location
 - ▶ Losch theory of Profit Maximization
- **Various Industries: Location, Prospects and Challenges**
 - ▶ Iron and Steel Industry
 - ▶ Textile Industry
 - ▶ Jute Industry
 - ▶ Auto Mobile Industry
 - ▶ Fertilizer Industry
 - ▶ Agro-based Industries
 - ▶ Other Industries
- **Industrial Regions and its Characteristics**
- **Major Industrial Regions of the World**
- **Industrial Regions of India**
- **Industrial Policies and Development**
 - ▶ A Scheme for Promotion of Innovation, Rural Industry and Entrepreneurship (ASPIRE)
 - ▶ Scheme of Fund for Regeneration of Traditional Industries (SFURTI)
 - ▶ Stand Up India
 - ▶ Fourth Industrial Revolution
 - ▶ Role of Industrial development in minimizing regional inequalities
 - ▶ Problems of Industrial regions
 - ▶ Factors behind the growth and present location pattern of automobile industry in India
 - ▶ Pharmaceutical industry: Locational pattern and reasons
 - ▶ Sugar industry: Problems and challenges of current pattern
 - ▶ Food Processing Industry: Untapped Potential
 - ▶ Agro based Industries: Problems and Prospects
 - ▶ Impact of agro-based industries on cropping pattern
 - ▶ Tourism: Prospects and Impact on Environment

(5) Transport and Communication

- **Land Transport**
 - ▶ Roads
 - Classification of roads
 - National Highway Grid
 - Problems and Prospects
 - BharatmalaPariyojana
 - ▶ Railways
 - Significance and Problems of Indian Railways
 - Dedicated Freight Corridors
 - Privatisation of Railways
 - ▶ Pipelines
 - Significance, Distribution and Challenges
- **WaterTransport**
 - ▶ Inland: National Waterways
 - Factors affecting Inland waterways
 - Significance and Challenges
 - Jal Marg Vikas Project
 - ▶ Seaways and Oceanic Route
 - Shipping
 - Major Ports of World and India
 - Challenges in Port Development
 - Sagarmala Project
- **Air Transport**
 - ▶ National Airways
 - National Civil Aviation Policy
 - Regional Connectivity Scheme (UDAN)
 - International Airways
- **Communications**
 - ▶ Communication Infrastructure
 - ▶ National telecom Policy
- **Major Issues in Transport and Communication**
 - ▶ Role of Transport in Regional Development
 - ▶ Need for holistic transport planning to improve the city's mobility
 - ▶ Carbon footprint of the transport sector
 - ▶ Road Transport: Investment Challenges
 - ▶ Inland Waterways: Development challenges and projects
 - ▶ Ports: Inclusive centres of economic development
 - ▶ Problem of Port Development
 - ▶ Analysis of Sagarmala Project
 - ▶ Environmental issues of maritime shipping

- ▶ Role of Transport in Regional Development
- ▶ Eco Tourism: Way toward Responsible Tourism

(6) Trade

■ World Trade Pattern

- ▶ Major Oceanic Trade Routes

■ Basis of Overseas Trade

■ Types of International Trade

- ▶ Bilateral Trade
- ▶ Multilateral Trade

■ Various Organisation Related to International Trade

■ Regional Trade Blocks

■ Foreign Trade: India

- ▶ Trends in India's Foreign Trade
- ▶ Composition Indian Trade
- ▶ Direction of India's Foreign Trade

■ Trade Pattern and Policies

- ▶ Changing Pattern of India's foreign trade
- ▶ Challenges and prospects of foreign trade of India
- ▶ Impact of trade liberalisation on the geographical distribution of industries
- ▶ Neo-liberal reforms in Africa: Race of India and China

HUMAN GEOGRAPHY

(1) Demography and Census World & India

- Concept of human resources
- Factors affecting the distribution of Population
- Population growth
 - ▶ Theories of Population Growth
 - Malthusian Theory
 - Marxian Theory
 - Demographic transition theory
 - Optimum Population Theory
 - ▶ Size, growth rate and distribution of population
 - ▶ Components of Population growth
- Demographic Dividend
 - ▶ Demographic Window of Opportunity
- Components of Population change
 - ▶ Birth Rate
 - ▶ Death Rate(Mortality Rate)
 - ▶ Migration
 - Factors responsible for migration
 - Type of Migration
 - Issues related to migration
 - Migration pattern in world and India
 - World Migration Report, 2018
- Population Composition
 - ▶ Age Sex Pyramids & their significance
 - ▶ Trends and Pattern in Sex Ratio
 - ▶ Initiatives to improve Sex ratio
 - ▶ Trends and Patterns in Literacy
 - ▶ Government's Efforts
- Fertility Rate
 - Impact of Population Change
 - Population Policies
 - ▶ Need for revision of National Population Policy
 - Population problems
 - ▶ Global Nutrition Report, 2018
 - ▶ Global Hunger Index

(2) Settlements and Urbanization

- Rural Settlements
 - ▶ Classification of Rural Settlements
 - ▶ Function of Rural Settlements
 - ▶ Patterns of Rural Settlements
 - ▶ Changing Pattern of Rural Settlements
- Urban Settlements
 - ▶ Origin of Urban Settlements- Functional Classification of Towns
 - ▶ Urbanization
 - Indian Mega Cities
 - Central Place Theory
 - Primate City
 - Morphology of Indian Cities
 - Conurbations
 - Urban Slums
 - Rural Urban Fringe
 - Rural Urban Continuum
 - ▶ Issues related to Urbanization in India
 - Habitat – III Conference
 - ▶ Schemes
 - PradhanMantriAwasYojana or Housing for All Scheme

- Smart City Initiative
- AMRUT(Atal Mission for Rejuvenation and Urban Transformation)
- HRIDAY(Heritage City Development and Augmentation Yojana)

(3) Regional Planning and Development

- Concept of Region
- Types of Regions
- Issues of Regional Imbalances

- Strategies for Regional Development

(4) Human Development

- Growth v/s Development
- Approaches to Human Development
- Human Development Index
- International comparisons of Human Development
 - ▶ World Development Report, 2019
 - ▶ Human Development Report
