

GENERAL GEOGRAPHY

- Universe
 - Theories of development of Universe
 - Galaxy
 - Star formation
 - Planet formation
 - Solar system
 - Moon
 - Asteroid
 - Meteor
 - Kuper belt
 - Comets
 - Dwarf planets
- Earth Evolution
 - Geological History of Earth
 - Evolution of the Earth Layered Structure
 - Evolution of Lithosphere
 - Evolution of Atmosphere
 - Evolution of Hydrosphere
 - Latitude and Longitude including important Parallels and Meridians
 - Motions of the Earth - Rotation, Revolution and their effects
 - Inclination of the Earth's Axis and its effects
 - Time Zones, Local and Standard Time and the International Date Line, Calendar
 - Eclipses - Solar, Lunar
 - Earth's magnetic field
 - Earth's Geological time scale
 - ORIGIN of LIFE

GEOMORPHOLOGY

- Earth's Interior
 - Interior of the Earth
 - Crust
 - Mantle
 - Core
 - Sources of Information
 - Direct
 - Indirect - Earth Quake Waves Volcanoes
 - Theories – Suess Theory
- **Geology and Rock system**
 - Minerals
 - Major Elements of the Earth's Crust
 - Minerals – Feldspar, Quartz, Pyroxene Amphibole, Mica , Olivine
 - Physical Characteristics–Crystal Form, Cleavage Fracture, Lusture, Color, Streak

Geography Syllabus
Nakshatra IAS Guwahati

- Transparency, Structure, Hardness, Specific Gravity
- Metallic minerals – precious Ferrous, Non Ferrous
- Non-metallic Minerals – Sulphur, Phosphates, Cement
- Rocks (Aggregate of Minerals)
 - Petrology
 - Rocks & landforms
 - Rocks & Soils
 - 3 Family of Rocks
 - Igneous
 - Sedimentary
 - Metamorphic
- **Geomorphic Processes**
 - Earth's Surface
 - Exogenic Forces
 - Endogenic Forces
 - Gradation , Degradation & Agradation
 - Endogenic Forces
 - Diastrophism
 - Orogenic
 - Epierogenic
 - Earthquakes
 - Plate movements
 - Volcanism
 - Exogenic Forces
 - Denudation Processes
 - Weathering
 - Mass movements
 - Erosion Transportation & Deposition
- Earthquakes and Volcanism
 - Earthquakes
 - Waves: P,S, Body, Surface,
 - Shadow Zone
 - Types of Earthquakes
 - Effects
 - Frequency
 - Locating an Epicentre
 - Volcanism
 - Types
 - Shield
 - Composite
 - Caldera
 - Flood Basalt
 - Mid Ocean Ridge
 - Landforms (intrusive)
 - Batholiths
 - Lacoliths

Geography Syllabus
Nakshatra IAS Guwahati

- Lopoliths
- Phacoliths
- Sills
- Dykes
- Distribution of Continents & Oceans
 - Theories
 - Continental Drift Theory
 - Alfred Wegner
 - Pangea, Panthalasa
 - Laurasia, Gondwanaland
 - Evidence in support of Continental Drift Theory
 - Jigsaw Fit
 - Rocks of Same age across oceans
 - Tillite
 - Placer Deposits
 - Distribution of Fossils
 - Isostacy
 - Sea Floor Spreading
 - Forces of Drifting
 - Pole Fleeing Force
 - Tidal Force
 - Post Drift Studies
 - Convectional Current Theory
 - Mapping of the Ocean Floor
 - Plate Tectonics
 - Lithospheric Plates - Major Plate - Minor Plates
 - Plate Boundaries – Divergent – Convergent – Transform
 - Rates of Plate Movements
 - Force of plate movement
 - Indian Plate
- Landforms and their evolution
 - Causes
 - Geomorphic Processes
 - Geomorphic Agents
 - Geomorphic Agent
 - Erosional or Destructional
 - Depositional or Constructional
 - Agents and their Impacts - Wind, Running Water, Ground Water, Glaciers, Waves & Currents
 - Winds
 - As agents in Hot deserts
 - Cause – Deflation Abrasion Impact
 - Erosional landforms
 - Pediments and Pediplains
 - Playas
 - Deflation Hollows and Caves
 - Mushroom , Table & Pedestal Rocks

Geography Syllabus
Nakshatra IAS Guwahati

- Depositional Landforms
 - Barchans
 - Seif
 - Parabolic
 - Transverse
 - Longitudinal
- Running Water
 - Erosional Landforms
 - Valleys
 - Rills
 - Gullies
 - Valleys – V Shape , Gorge (Hard Rocks), Canyon (Sedimentary)
 - Potholes & Plunge pools
 - Incised or entrenched meanders
 - River Terraces – paired & unpaired
 - Depositional Landforms
 - Alluvial Fans
 - Delta
 - Flood plains, Natural Levees, Point Bars
 - Meanders, Slip off bank, Under cut bank
 - Oxbow lake
 - Braided Channels
- Ground Water (Karst Topography)
 - Permeable Rocks
 - Percolation
 - Bedding Plains
- Limestone and Dolomite Regions
 - Balkans , Adjacent to Adriatic regions
- Erosional Landforms
 - Pools - Swallow Hole, Valley Sinks (Uvalas), Sinkholes, Collapse sinks (Dolines), Lapias, Ridges, Limestone Pavements
 - Caves – Altering bed of Rocks (Shale sandstone quartzit, Caves and Tunnels)
- Depositional landforms
 - Stalactites
 - Stalagmites
 - Pillar Columns
- Glaciers
 - Erosional Landforms
 - Cirque of Tarn Lakes
 - Hors and Serrated Regions – Arete
 - Glacial Valleys / Troughs – Fiords
 - Depositional Landforms
 - Glacial Tills
 - Moraines
 - Eskers
 - Outwash Planes

Geography Syllabus
Nakshatra IAS Guwahati

- Drumlins
- Waves and Currents
 - High Rocky Coasts & Low Sedimentary Coasts
 - Erosional Landforms
 - Cliffs
 - Terraces
 - Caves
 - Stacks
 - Depositional Landforms
 - Beaches and Dunes
 - Bars, Barriers, Spits
- Weathering
 - Factors
 - Geological
 - Climatic
 - Topographic
 - Vegetative
 - Major Processes
 - Chemical
 - Physical or Mechanical
 - Biological
 - Chemical – Forces Chemical Action
 - Solution
 - Carbonation
 - Hydration
 - Oxidation & Reduction
 - Physical Forces Gravitational, Expansion, Water Pressure
 - Unloading & Expansion
 - Temperature changes and Expansion
 - Freezing, Thawing, & Frost Wedging
 - Salt Weathering
- Biological Weathering
 - Burrowing
 - Wedging
 - Plant Roots
- Effects of Weathering
 - Exfoliation (Flakin) – Exfoliation Domes
- Significance of Weathering
 - Soil Formation
 - Biomes and Biodiversity
 - Leaching / Enrichment
- Mass Movements
 - Activating causes
 - Forms of movement – Heave Flow Slide
- Landforms across the world

- Rivers and lakes (Factual)
- Mountain and Peaks (Factual)
- Plateaus (Factual)

OCEANOGRAPHY

- Hydrosphere
 - Water on the Surface of the Earth
 - Hydrological Cycle
 - Component
 - Processes
- Submarine Relief Features
 - Oceans
 - Relief of the Ocean floor
 - Divisions of the ocean floor
 - Continental Shelf
 - Continental Slope
 - Deep sea plain
 - Oceanic deep and Trenches
- Minor relief features
 - Mid oceanic ridges
 - Seamount
 - Submarine canyons
 - Guyouts
 - Volcanic Islands
 - Fracture Zones
 - Hotspots
 - Coral Islands
 - Atoll
- Temperature and Salinity
 - Temperature of the Ocean Water
 - Vertical
 - Spatial
 - Factors affecting Temperature distribution
 - Latitude
 - Unequal distribution of land & Water
 - Prevailing wind
 - Ocean Currents
 - Horizontal & Vertical Distribution
- Salinity of the Ocean Water
 - Factors affecting salinity
 - Evaporation and precipitation
 - Fresh water flow from rivers
 - Ocean currents
 - Horizontal distribution of salinity

Geography Syllabus
Nakshatra IAS Guwahati

- Vertical Distribution of salinity
- Density of Ocean Waters
- Waves, Ocean Currents, Tides
 - Movements of ocean Water
 - Factors influencing Movement
 - Temperature
 - Salinity
 - Density
 - Motion – Horizontal and Vertical Currents
 - Waves
 - Motion of waves and water molecules
 - Characteristics of wave
 - Crest and Trough
 - Height
 - Amplitude
 - Period
 - Length
 - Speed
 - Frequency
 - Tides
 - Relation between Gravitational Forces and Tides
 - Tidal currents
 - Types of Tides
 - Based on Frequency – Semi Diurnal, Diurnal, mixed
 - Based on SME position – spring and Neap Tides
 - Importance of Tides
 - Ocean Currents
 - Primary Force that initiates the movement
 - Heating of solar energy
 - Wind
 - Gravity
 - Coriolis force
 - Secondary force that influence the currents to flow
 - Types of ocean currents:
 - Surface currents & Deep water currents based on Depth
 - Cold and Warm Currents based on Temperature
 - Major Ocean currents of the World
 - Effects of Ocean Currents
- Marine Resources
 - Underground water resource
 - Surface water resources
 - Inland water resources: Utilization of inland water resources
 - Oceanic Water Resources (Marine Resource)
 - Utilization of oceans by man
 - Water consumption patterns
 - Conservation of Water Resources

- Techniques of Water Conservation
- Ocean Deposits and Corals
 - Terrigenous Deposits
 - Volcanic Deposits
 - Biotic deposits
 - Neritic
 - Pelagic (Calcereous , Siliceous)
 - Abiotic Deposits
 - Coral Reefs
 - Great Barrier Reef

CLIMATOLOGY

- Atmosphere
 - Composition
 - Gases
 - Water Vapour
 - Dust Particles
 - Structure
 - Exosphere
 - Thermosphere
 - Mesosphere
 - Stratosphere
 - Troposphere
 - Altitude vs. Temperature
- Inversion of Temperature
 - Temperature
 - Factors controlling Temp distribution
 - Distribution of Temp Month of January-July
 - Range of Temp Month of January-July
 - Inversion of Temperature
- Insolation and Heat Budget
 - Solar Radiation Heat Balance Temperature Insolation
 - Aphelion and Perihelion
 - Variability of Insolation at the surface of the Earth
 - Day Season Year
 - Rotation on Axis, Angle of Inclination of sun rays, Length of the day
 - Transparency of Atmosphere, configuration of land in terms of its aspect.
 - Heat Balance
 - Heating and cooling of atmosphere
 - Conduction
 - Convection
 - Advection
 - Terrestrial Radiation
 - Heat Budget of the Planet Earth

Geography Syllabus
Nakshatra IAS Guwahati

- Macro Budget
 - Albedo
 - Shortwave Radiation
 - Long wave Earth Radiation
- Variation in the net Heat Budget at the Earth's Surface
- Winds and Pressure belts
 - Atmospheric Circulation and Weather Systems
 - Atmospheric Pressure
 - Vertical variation of pressure
 - Horizontal distribution of pressure
 - World Distribution of Sea Level Pressure
 - Factors affecting the velocity and direction of the Wind
 - Pressure Gradient Force
 - Frictional Force
 - Coriolis Force
 - Pressure and Wind (Cyclonic & Anticyclone Circulation)
 - General Circulation of the Atmosphere – Pattern of Planetary Winds
 - Latitudinal Variation of Atmospheric Heating
 - Emergence of Pressure Belts
 - Migration of Belts Following apparent Path of Sun
 - Distribution of continents & Oceans
 - Rotation of the Earth
 - Circulation
 - Simplified Global Circulation – Hadley Cell , Ferrel Cell
 - Seasonal Wind
 - Local Wind
 - Land and Sea Breezes
 - Mountain and Valley Winds
- Air Mass, Fronts, Cyclones and Jet Stream
 - Air mass & fronts
 - Cyclones
 - Thunderstorms
 - Tornadoes
 - Monsoons
 - Fronts
- Precipitation
 - Water in the Atmosphere
 - Water Vapour
 - Precipitation
 - Humidity – Absolute and Relative
 - Saturation – Dew Point
 - Evaporation and Condensation
 - Dew
 - Frost
 - Fog & Mist
 - Clouds

Geography Syllabus
Nakshatra IAS Guwahati

- Types – Cirrus, Cumulus, Stratus, Nimbus
- High – Cirrus, Cirrostratus, Cirrocumulus
- Middle – Altostratus, Altocumulus
- Low – Stratocumulus, Nimbostratus
- Vertical Development – Cumulus and Cumulonimbus
- Precipitation
- Rainfall, Snowfall, Sleet Hail, Hailstones
- Types of Rainfall
- Conventional
- Orographic
- Cyclonic
- World Distribution of Rainfall
- Climatic Zones of the World
 - Koppene’s Classification Climatic Zones
 - World Climate
 - The Hot, Wet Equatorial Climate
 - The Tropical Monsoon and Tropical Marine Climates
 - The Savanna or Sudan Climate
 - The Hot Desert and Mid-Latitude Desert Climates
 - The Warm Temperate Western Margin (Mediterranean) Climate
 - The Temperate Continental (Steppe Climate)
 - The Warm Temperate Eastern Margin (China Type Climate)
 - The Cool Temperate Western Margin (British Type Climate)
 - The Cool Temperate Continental (Siberian) Climate
 - The Cool Temperate Eastern Margin (Lauren-tian) Climate
 - The Arctic or Polar Climate

BIO-GEOGRAPHY

- Soil Characteristics
 - Soil Characteristics
 - Factors Responsible for Soil Formation
 - Stages of Soil Formation
 - Soil Forming Processes
 - Soil Profiles and Horizons
 - Soil Classification
 - Soil Erosion and Conservation
- Vegetation resources
 - Types of natural vegetation
 - Forests
 - Significance of forests
 - Economic significance, Ecological significance
 - Cultural significance
 - Factors of forest development
 - Extent of forest cover

Geography Syllabus
Nakshatra IAS Guwahati

- Classification of forests
- Grasslands
- Desert vegetation
- Tundra Vegetation
- Economic utilization of forests
- Deforestation
- Deforestation in tropical forests
- Deforestation in temperate forests
- Rate and extent of deforestation
- Causes and factors of deforestation: Immediate causes of deforestation
- Indirect deforestation
- Underlying causes of deforestation
- Conservation of forests
- Forest conservation strategies
- Reforestation
- Monoculture plantation
- Afforestation
- Types of forestry
- Social forestry
- Agro-forestry

HUMAN AND ECONOMIC GEOGRAPHY OF THE WORLD

- Demography and Census
 - Concept of human resources
 - Factors affecting the distribution of Population
 - Geographical Factors
 - Availability of water
 - Landforms
 - Climate
 - Soils
 - Economic Factors
 - Minerals
 - Urbanisation
 - Industrialisation
 - Socio-cultural factors
 - Population Growth
 -
 - Growth of Population
 - Growth Rate of Population
 - Natural growth of Population
 - Positive Growth of Population
 - Negative Growth of Population
 - Components of Population change
 - Crude Birth Rate

Geography Syllabus
Nakshatra IAS Guwahati

- Crude Death Rate
 - Migration – Place of Origin and Place of Destination
 - Immigration
 - Emigration
 - Push Factors and Pull Factors
- Trends in Population Growth
- Doubling time of world population
- Spatial pattern of Population change
- Impact of Population Change
- Demographic Transition
 - Demographic Transition Theory
 - Demographic Cycle
- Theories of population growth
 - Malthusian theory
 - Marxian theory
 - Demographic Transition Theory
 - Optimum population
 - Over-population
 - Under-population
- Population Control Measures
- World population distribution, Density and Growth
 - Continent-wide distribution of population
 - Pattern of population density globally
 - Population increase in the world
- Population Composition
 -
 - Sex composition
 - Sex Ratio
 - Natural Advantage vs Social Advantage
 - Age Structure
 - Age – sex Pyramid
 - Expanding Populations
 - Constant Population
 - Declining Popoulation
 - Literacy – literacy Rate
 - Rural Urban Composition
 - Occupational Structure
 - Religion based Composition
- Population problems
 - Population problems of developing countries
 - Population problems of developed countries
 - Population Policies: of China, of India
- Census 2011
 - Census Terminologies
 - Census of India important information
- Human Development

Geography Syllabus
Nakshatra IAS Guwahati

- Growth vs Development
- The four pillars of Development
 - Equity
 - Sustainability
 - Productivity
 - Empowerment
- Approaches to Human Development
- Measuring Human Development
 - Income Approach
 - Welfare Approach
 - Basic Needs Approach
 - Capability Approach
- International Comparisons of Human Development
- Economic Activities
 - Primary Activities
 - Hunting and Gathering Pastoralism
 - Nomadic Herding
 - Commercial livestock Rearing
 - Agriculture
 - Subsistence Agriculture
 - Primitive Subsistence Agriculture
 - Intensive Subsistence Agriculture
 - Plantation Agriculture
 - Extensive Commercial Grain Cultivation
 - Mixed Farming
 - Dairy Farming
 - Mediterranean Agriculture
 - Viticulture
 - Market Gardening and Horticulture – Truck Farming
 - Cooperative Farming
 - Collective Farming
 - Mining
 - Factors affecting Mining
 - Methods of Mining – Open Cast and underground mining
 - Secondary Activities
 - Manufacturing
 - Characteristics of Modern large scale Manufacturing
 - Specialisation of Skills/ methods of Production, Mechanisation - Technological Innovation
 - Access to market, Access to labour Supply, Access to Sources of Energy, Access to Transportation and communication Facilities
 - Government Policy
 - Classification of Manufacturing Industries
 - Industries based on size
 - Small Scale manufacturing
 - Large Scale manufacturing

Geography Syllabus
Nakshatra IAS Guwahati

- Industries based on Inputs/Raw Materials
 - Agro Based industries
 - Mineral Based Industries
 - Chemical based Industries
 - Forest based Raw material using industries
 - Animal Based industries
- Industries based on Output/Product
- Industries based on ownership
- Tertiary, Quaternary and Quinary Activities
 - Types of Tertiary Activities
 - Retail trading
 - Trade and commerce
 - Wholesale Trading
 - Transport
 - Communication
 - Services
 - People engaged in tertiary Activities
 - Tourism
 - Medical Services
 - Quaternary Activities
 - Quinary Activities
 - Concept of Digital Divide
- Transport and Communication
 - Transport
 - Modes of Transportation
 - Land Transport
 - Roads
 - Railways
 - Water Transport
 - Sea Routes
 - Inland Waterways
 - Air Transport
 - Pipelines
 - Communications
 - Satellite communication
 - Cyber space internet
- International Trade
 - History of international Trade
 - Basis of International Trade
 - Difference in national resources
 - Population Factors
 - Stage of Economic Development
 - Extent of Foreign Investment
 - Transport
 - Important aspects of International Trade
 - Volume of Trade

Geography Syllabus
Nakshatra IAS Guwahati

- Composition of Trade
- Direction of Trade
- Balance of Trade
- Types of International Trade
- Case of Free Trade
- WTO – World Trade Organisation and Regional Trade Blocs
- Gateways of International Trade
 - Ports
 - Industrial Ports
 - Commercial Ports
 - Comprehensive Ports
 - Inland Ports
 - Out Ports
 - Oil Ports
 - Port of call
 - Packet station
 - Entrepot Ports
 - Naval Ports
- Settlement
 - Types and Patterns of settlements
 - Compact of Nucleated Settlements
 - Dispersed settlement
 - Rural Settlements
 - Factors affecting location of rural settlements
 - Patterns of Rural settlements
 - Urban Settlements
 - Classification of Urban Settlements
 - Factors affecting location of rural settlements
 - Functions of Urban Centre
 - Classification of Towns on the basis of Forms
 - Types of Urban Settlements
 - Town, City, Conurbation, Megalopolis, Million City
 - Issues of Urbanization in India
 - Rural Urban Migration
 - Emergence of Slums
 - Inclusive Cities/Smart cities

INDIAN GEOGRAPHY

- Physiography of India
 - Geological Region
 - Location
 - Physiographic Sub-Units
 - Himalayans
 - Northern Plains

Geography Syllabus
Nakshatra IAS Guwahati

- Peninsular Plateau
 - Thar Desert
 - Coastal Plain
 - The Islands
- Mountain System
 - Classification of The Himalayan System
 - Regional Division of the Himalaya
- The Peninsular - Peninsular Plateaus
- Plains - Northern Plains of India
- Lakes
- Deserts
- Indian Coasts and Islands
- Drainage System
 - Classification of Drainage
 - Himalayan Drainage
 - Indus river system
 - Indus drainage system
 - Ganga River System
 - Brahmaputra river system
 - Peninsular River System
 - East flowing Rivers
 - West flowing Rivers
 - Mains Rivers and their tributaries
 - Famous cities and river banks
- Climate
 - Factors influencing the climate of India
 - Monsoon
 - Mechanism of the Monsoon
 - Classical Theory
 - Modern theory
 - Air mass theory
 - Jet stream theory
 - EL NINO and LA NINA
 - Seasonal rhythm
 - Koppen's Climatic classification
 - Indian Droughts and Floods
- Soils in India
 - Soil Acidity
 - Soil textures
 - Minerals of Soil
 - Soil Erosion
 - Soil Conservation
- Natural Vegetation
 - Vegetation
 - Mangroves
 - Distribution of Forest Area

Geography Syllabus
Nakshatra IAS Guwahati

- Forest Problems in India
- Population
 - Size, growth rate and distribution of population
 - India in World Population
 - Demographic transition
 - Census in India
 - Ranking of States and Union
 - Territories by population: 2001 & 2011
 - Population Growth Rates
 - Population: States and UT
 - Decadal growth rate
 - National Population Policy
 - Density of population
 - Literacy
 - Literacy in major states
 - Literacy rate in India: 1951-2011
 - Ranking of States and UTs by 206 literacy rate: 2011
 - Gender composition of the Population
 - Trends in Sex Ratio in India
 - Child sex ratio in age group 0-6 yrs
 - Sex ratio of age 7 years and above population
 - Old Age People
 - Health Indicators
- Settlements and Urbanization
 - Rural Settlements
 - Factors affecting settlement patterns
 - Settlement types
 - Urbanization
 - Urban Agglomeration / Cities
- Land Resource
 - Land-use
 - Land capability classification
 - Causes of Land Degradation
 - Impact of Land Degradation
 - Steps taken by GOI
 - Sustainable Land Management
- Mineral Resource
 - Types of minerals: Metallic minerals
 - Non-metallic mineral
 - Distribution of minerals and mining regions
 - Distribution, production and international trade of Metallic minerals: Ferrous metals: Iron ore
 - Ferro-alloys and non-ferrous
 - Manganese
 - Chromium
 - Nickel
 - Tungsten

Geography Syllabus
Nakshatra IAS Guwahati

- Antimony
- Copper
- Bauxite and Aluminium
- Zinc; Lead
- Tin
- Gold
- Silver
- Platinum
- Mineral chemicals
- Mica
- Potash
- Phosphate
- Nitrates
- Sulphur
- Conservation of mineral resources
- Energy Resources
 - Classification of energy
 - Production of conventional energy
 - General trends of energy production and consumption
 - Reserves and sources of energy
 - Coal
 - Nature and origin of coal
 - Constituents and kinds of coal
 - Coal fields and coal production
 - Byproducts of coal
 - Conservation of Coal
 - Petroleum
 - Nature and properties of petroleum
 - Origin and recovery
 - Exploration
 - Petroleum refining
 - Petroleum reserves
 - Producing areas
 - Consumption of petroleum
 - International trade
 - OPEC and its role in oil trade
 - Natural gas: Reserves and Production
 - Hydro-electricity
 - Advantages of hydro-electricity
 - Ideal conditions for generation of hydro-electricity
 - Distribution of potential hydro-power
 - Hydro-electric power generation in India
 - Atomic (nuclear) energy
 - Atomic: source minerals: Uranium
 - World distribution of Uranium
 - Production of Uranium

Geography Syllabus
Nakshatra IAS Guwahati

- Thorium
- Production of Atomic (Nuclear) Energy
- Nuclear Energy
- Alternative (non-conventional) sources of energy
- Solar energy
- Wind energy
- Geothermal power
- Tidal energy
- Wave energy
- Biomass energy
- Agriculture Basic Terminologies
 - Performance of the agriculture sector
 - Types of farming in India
 - Dry zone farming
 - Organic farming
 - Cropping seasons in India
 - Cropping Pattern in India
 - Agriculture regionalization
 - Infrastructure factors: Seeds; Fertilizers; Irrigation
 - Land use pattern in India
 - Institutional Factors as land reform
 - Horticulture sector in India
 - Agricultural revolutions
 - Agricultural labours
 - Price Policy for Agriculture
 - Agricultural marketing
 - Agricultural Insurance
 - Agricultural Census
 - Major schemes in agricultural sector
 - National Policy for farmers
 - Impact of climate change on agriculture
 - What is sustainable agriculture?
 - Use of IT in agriculture
 - Agriculture Issues and Challenges
- Recent Developments in Agriculture Field
 - NITI Aayog proposed the idea of taxation of agricultural income
 - Removing agricultural commodities from the essential commodities Act: NITI Aayog
 - Feminization of Agriculture
 - e-auction portal : e-Rakam for selling agricultural produce
 - “AGRI-UDAAN” – Food and agri-business acceleration 2.0 to bring startup revolution
 - APEDA (Agricultural and Processed Food Products Export Development Authority Act)
 - SMAM (Sub-Mission on Agricultural Mechanization)
 - Jute-ICARE Project
 - Project CHAMAN
 - Doubling the farmers income: Ashok Dalwai Committee
 - RKVY-RAFTAAR

Geography Syllabus
Nakshatra IAS Guwahati

- Agro Irradiation Centers
- Agricultural Marketing and Farm Friendly Reforms Index
- National Food Security Act
- Digitization and Agriculture
- Direct Benefit Transfer in Fertilizer Sector
- Draft Regulation on Fortification of Foods
- Law Commission Recommendation on Food Laws
- Concept of Modern Terminal Markets
- Animal Husbandry, Dairying and Fisheries
- e-Pashuhaat Portal
- Schemes of Bio-Tech Kisan and Cattle Genomics
- RashtriyaGokul Mission
- Mission Fingerling
- Ornamental Fishing
- Agricultural Science Congress
- RubSiS
- Ethanol Blending
- National Bureau of Plant Genetic Resources
- Amendments to the NABARD Act, 1981
- Revenue Insurance Scheme for Plantation Crops
- Neem Coating of Urea
- National Agriculture Market
- Productivity of Crops and conditions for growth
 - Wheat
 - Conditions of growth
 - Varieties
 - Types of cultivation
 - Production pattern
 - International trade
 - Rice
 - Conditions of growth
 - Varieties
 - Methods of cultivation
 - Production pattern
 - International trade
 - Maize (Corn)
 - Conditions of growth
 - Production pattern
 - International trade
 - Barley
 - Conditions of growth
 - Production pattern
 - International trade
 - Oats
 - Rye
 - Beverages

Geography Syllabus
Nakshatra IAS Guwahati

- Tea
 - Condition of growth
 - Production pattern
 - International trade
- Coffee
 - Types of coffee
 - Conditions of growth
 - Production pattern
 - International trade
- Cocoa
 - Conditions of growth
 - Production pattern
 - International trade
- Tobacco
 - Conditions of growth
 - Production pattern
 - International trade
- Fibre Crops
- Cotton
 - Varieties of cotton
 - Conditions of growth
 - Production pattern
 - International trade
- Jute
 - Conditions of growth
 - Production pattern
 - International trade
- Substitutes of Jute: Flax, Hemp
 - Raw Silk
 - Production pattern
- States
- Natural Rubber
 - Other sources of rubber
 - Plantations in South-east Asia
 - Production pattern
- Sugarcane
 - Conditions of growth
 - Production pattern
 - International trade
 - Sugarbeet—Conditions of growth
 - Production pattern
 - Sugar industry
 - Sugar consumption
 - International trade.
- Industry
 -

Geography Syllabus
Nakshatra IAS Guwahati

- Industrial development
- Iron and Steel Industry
- Location of iron and steel industry
- Development of iron manufacture
- Distribution of iron and steel industry
- Global steel production
- International trade in Steel
- Textile Industry
- Cotton Textile Industry: Location of the industry
- Recent trends in localization
- Distribution and production of cotton textiles
- Woollen textile industry: Location of the industry
- Silk textile industry: Raw silk manufacture
- Silk textile manufacturing
- Synthetic (artificial) silk industry
- Distribution of man-made fibre and fabrics
- Engineering Industries
- Machine tools and machines: Areas of production
- Industrial machinery: Textile machinery
- Agricultural machinery
- Manufacturing of transport equipment
- Automobile industry
- Shipbuilding
- Aircrafts Industry
- Fertilizer industry: Nitrogen fertilizers
- Phosphate fertilizers
- Potash fertilizers
- Agro-industries
- Synthetic rubber industry
- Pulp and paper industry: Essential conditions for pulp production
- Production of paper and paper board
- Newsprint
- Cement industry
- Distribution of cement industry
- Recent trends: Main global competitors
- Petroleum refining industry: Localization
- Site selection of petroleum refineries
- History of oil refineries
- World pattern of oil refining
- Petroleum products
- Industrial Regions
- Characteristics of industrial regions
- Delimitation of an industrial region
- Principal industrial regions of the world

Geography Syllabus
Nakshatra IAS Guwahati

- Industrial regions of Anglo America—USA, Canada, Western Europe and Central Britain, Germany, Belgium, Netherlands, France, Italy, Eastern Europe, Poland, Former USSR
- Eastern Asia—Japan, China, the 'Dragons', India, High tech patterns.
- Transport
 - - Importance and development of transport
 - Means of transport
 - Transport costs and economic distance
 - Operating costs in transport
 - Relative importance of means of transport: Railways, Roads, Pipeline, Oceans, Air transport
 - Profits and freight rates
 - Government's transport policy
 - Ocean transport routes
 - Inland waterways
 - Main regions of inland waterways
 - Railways: Factors affecting the railroads
 - Distribution of railroads in the world
 - Air transport: Factors influencing air transport
 - Air transport in various continents
 - Pipeline transport
 - Petroleum (oil) pipelines
 - Gas pipelines
 - Recent Development in Transport Sector
 - - Rural electrification corporation: First green bond
 - Time and costs over runs of infrastructure projects
 - India's First Mega Coastal Economic Zone (CEZ) to come up in Maharashtra
 - Logistic sector gets infrastructure status
 - AIIB approves \$150 million for India infrastructure fund
 - Ro-Ro Ferry service
 - Bharatmala project for construction of 24,000 km of highway connecting Western and Eastern part
 - Union Ministry of shipping is planning to expand Logistics Data Bank (LDB)
 - Railways India Development Fund
 - National Infrastructure Investment Fund
 - Defence Innovation Fund
 - Flexi Fare Method in Railway
 - Rail Cadre Management
 - TRI-NETRA in Railways
 - National Rail Plan 2030
 - India's First Caterpillar Train
 - Green corridor concept
 - Made in India 'Medha' train

- Antyodaya Express
- Smart Railway Station
- Yatri Mitra Seva
- National Highways Interconnectivity
- Vehicle Fleet Modernization Programme
- Transit Oriented Development Policy
- Logistic Efficiency Enhancement Programme
- Indian Bridge Management System
- National Road Safety Policy
- TARANG
- E-trans
- DEEP (Discovery of Efficient Electricity Price)
- GARV II APP
- Trading of Energy Saving Certificates
- Powers for all 24x7
- Draft National Electricity Plan
- Habitat Commitment Index
- Recent developments in Industrial Sector
 - - Disinvestment of PSUs
 - Report titled "India's Labor Market: A New Emphasis on Gainful Employment"
 - Wage code Bill in line of recommendations of 2nd National Commission on Labor
 - CAR for the operation of Drones in India.
 - Draft Evaluation template for the star rating of Minor Minerals
 - Online database containing GIS-Enabled portal Maps land related information
 - Chennai-Bangalore Industrial Corridor
 - Apex Corridor Developmental Authority
 - Tamra Portal
 - Mining Surveillance System
 - Coal Mitra
 - M-SIPS for Electronic Sector
 - Indian Enterprise Development Service
 - Trade Receivables Discounting System
 - SME Business Environment Index

WORLD REGIONAL GEOGRAPHY

- Continents Countries and Cities
 - Continents and Important Cities of the World
 - Important Cities Situated on the Banks of Rivers
 - Changed Names of Some Cities, States, and Countries
 - Distinctive Names of Countries/Towns— Geographical Epithets
 - Regional Grouping of Countries of the World
 - Economic Classification of Countries of the World

Geography Syllabus
Nakshatra IAS Guwahati

- Location in NEWS
 - Govardhan Eco village
 - City livability index
 - Sardar Sarovar Dam in Gujarat
 - Yethinahole Project
 - SMARTGRAM
 - Kaladan project in Myanmar
 - Doklam plateau
 - Gilgit-Ballistan
 - SCO Summit-Astana
 - Bosphorus strait
 - Nathu-La
 - Lisbon
 - Mahadayi tribunal
 - Jaravas
 - Bengaluru declaration
 - SASEC road connectivity
 - Doklam
 - dams bottom trawling
 - Hambantota Port
 - World Petroleum Congress, Turkey
 - Kaleshwaram project
 - Mega food park in Kapurthala
 - Assam's disturbed area tag
 - North Koel project
 - BIMSTEC
 - Conservation of Pagodas to Bagan
 - Bridge over Mechi River
 - Pangong Lake
 - World's most liveable city
 - Asia Africa Corridor
 - Xiamen declaration
 - Sir Creek
 - Chakma, Majong Refugees Rohingya
 - Cleanest Iconic place Meenakshi temple
 - OBOR
 - Hambantota
 - Chahbahar Port
 - Gwadar Port
 - National Waterway – 4
 - Polavaram project
 - UNESCO creative cities network
 - Singapore Changi Naval base
 - India in Antarctica
 - Concept of Resilient Cities
 - Sericulture

Geography Syllabus
Nakshatra IAS Guwahati

- Blizzards
- New tectonic plate discovered
- Report on Palaeo Channel of North West India
- Cyclones in News