

**SYSTEMATICALLY
DESIGNED**

UPSC MAINS

NOTES

ART & CULTURE

(SUB-TOPIC LISTING)
(SYSTEMATICALLY ARRANGED NOTES)

NOTES

Indian Culture - Salient aspects of Art Forms, Literature and Architecture from ancient to modern times..

Indian Art Forms

• Indian Paintings

- Introduction
- Prehistoric Paintings
- Mural Paintings in India
- Miniature Paintings
- Folk Painting

• Dances in India

- Introduction
- Classical dance
- Folk dance
- Other folk dances
- Difference between Classical and Folk dance
- Modern Dance in India

• Music in India

- Introduction
- three main pillars of Indian Music

• Classification of Indian Music

- Classical Music
- Hindustani Music
- Carnatic Music
- Hindustani Music vs Carnatic Music
- Folk Music
- Modern Music

• Puppetry

- Introduction
- String Puppets
- Shadow Puppets
- Glove Puppets
- Rod Puppets
- Reasons behind Puppetry Art's Lack of Popularity

• Pottery

- Introduction
- Evolution of Pottery in India

• Drama/Theatre

- Introduction
- Features
- Classical Sanskrit Theatre
- Folk Theatre
- Modern Indian Theatre

• Martial Arts

- Introduction
- List of Important Martial Arts In India

• Visual Art

- Introduction
- Classification of Visual Arts
- Visual Arts - Significance

NOTES

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Indian Literature

• **Classical Sanskrit Literature**

- Introduction
- Vedas
- Brahmanas
- Arayankas
- Araya Upanishads
- Ramayana
- Mahabharata
- Puranas
- Upa-Puranas
- Classical Sanskrit Literature
- Sanskrit Drama
- Sanskrit Poetry

• **Vedic Literature**

- Introduction
- Types of Vedic Literature
- Categories of Vedic Literature

- Vedic Literature – The Four Vedas

• **Pali and Prakrit Literature**

- Introduction
- Buddhist Literature in Pali and Prakrit
- Other Important Buddhist Literary Texts

• **Jain Literature**

- Introduction
- Jain Agamas

• **Sikh Literature**

- Introduction
- Important Literary Work of Sikhism

• **Dravidian Literature**

- Introduction
- Tamil (Sangam) Literature

• **Medieval Literature**

- Introduction
- Introduction
- Urdu Literature
- Hindi Literature

• **Modern Literature**

- Introduction
- Hindi Literature
- Bengali, Odia, and Assamese Literature
- Gujarati, Rajasthani, and Sindhi Literature
- Kashmiri Literature
- Punjabi Literature
- Marathi Literature

NOTES

Indian Culture - Salient aspects of Art Forms, Literature and Architecture from ancient to modern times..

Indian Architecture

Harappan Architecture

- Introduction
- Salient Features
- Town planning in Harappan Civilization
- Lothal's Town Planning & Dockyard of Lothal

Mauryan Architecture

- Introduction
- Background
- Mauryan Architecture

Post-Mauryan Period Gupta Period

- Introduction
- Gupta Architecture

Temple Architecture

- Introduction
- Hindu Temples
- Nagara or North Indian Temple

Style

- Central India Temples
- Western Indian Temples
- Eastern Indian temples
- Hill Temples
- Dravida Or South Indian Temple Style
- Deccan Architecture
- Buddhist Architectural Developments
- Jain Architectural Developments

Cave Architecture

- Introduction
- Cave Architecture in India

Medieval and Indo-Islamic Architecture

- Introduction
- Features
- Types of Buildings

- Styles of Indo-Islamic Architecture
- Provincial Schools of Architecture

Colonial Architecture & Modern Architecture

- Introduction
- Colonial Architecture & Modern Architecture

Buddhism & Jainism Architecture

- Introduction
- Buddhism Architecture
- Jainism Architecture

Rock Cut Architecture

- Introduction
- Significance of Rock Art
- Prehistoric Rock Paintings
- Rock-Cut Caves
- Rock-Cut Temple Architecture

INDIAN HISTORY

(SUB-TOPIC LISTING)
(SYSTEMATICALLY ARRANGED NOTES)

NOTES

Modern Indian History from about the middle of the eighteenth century until the present- significant events, personalities, issues.

The Freedom Struggle – its various stages and important contributors/contributions from different parts of the country.

Important Modern History Events Before 1857

- **Mughals Empire in India**

- Rulers During The Mughal Empire
- Rulers During Later Mughals
- Decline of Mughal Empire
- Indian Under The Mughal Empire

- **European Penetration of India**

- PORTUGUESE
- DUTCH
- ENGLISH EAST INDIA COMPANY
- FRENCH
- ANGLO FRENCH RIVALRY (CARNATIC WARS)
- DUPLEIX – HIS OBJECTIVES—POLICIES
- THE CAUSES OF FRENCH FAILURE
- FROM TRADING COMPANY TO TERRITORIAL POWER
- ENGLISH IN INDIA : TIMELINE

- **British in India**

- Rise of British power in India
- British Policies
- Impact Of British Rule

- **Socio-cultural Reform Movements**

- Socio-Religious Reform Movements
- Caste Movements
- Muslim Reformation Movements

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The Freedom Struggle – its various stages and important contributors/contributions from different parts of the country.

Revolt of 1857

Uprisings against British Pre-1857

- Introduction
- Civil Uprising
- Peasant Movements
- Tribal Revolt
- Sepoy Mutinies
- Significance of the Uprisings
- Weaknesses of the Uprisings

Causes of Revolt of 1857

- Introduction
- Political Causes of Revolt of 1857
- Economic Causes of Revolt of 1857
- Social & Religious Causes of Revolt of 1857
- Military Causes

Revolt of 1857

- Beginning
- Bahadur Shah - Head of the Revolt
- Leaders of the Revolt and Storm Centres

- Places of revolt
- Contributions of Civilians
- Suppression of the Revolt
- Causes of Failure of the Revolt
- Nature and Consequences of the Revolt
- Significance of the Revolt
- Hindu - Muslim Unity
- Course Of Revolt Of 1857 in Chronological Order
- Centers And Suppression Of Revolt Of 1857

Growth of Nationalism in India (1858-1905)

Growth of Nationalism In India

- Causes of Indian National Movement:
- Important Factors

Formation of Indian National Congress

- Introduction
- Congress Foundation
- Reasons behind the Formation of the Indian National Congress (INC)
- Major Objectives of the Indian National Congress
- Policies Opted by Indian National Congress During 1885–1905

Moderates & Extremist Phase

- Moderate Phase
- Extremist Phase
- Difference Between Moderates and Extremists

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The Freedom Struggle – its various stages and important contributors/contributions from different parts of the country.

Growth of Militant Nationalism & Revolutionary Activities (1905-1918)

Swadeshi & Boycott Movement

- Introduction
- History of the Swadeshi Movement
- Timeline of the Swadeshi Movement
- Who Started the Swadeshi Movement?
- Major points associated with the Swadeshi Movement:
- Swadeshi Movement (1850–1904)
- Swadeshi Movement Participants

Surat Split 1907

- Introduction
- Surat Split 1907

Lucknow Pact of 1916

- Introduction
- Lucknow Pact

The Home Rule Movement

- Introduction
- Home Rule Movement

Beginning of Mass Nationalism (1919-1939)

Mahatma Gandhi – His Ideas & Leadership

- Introduction
- Champaran Satyagraha – 1917
- Ahmedabad Mill Strike – 1918
- Kheda Satyagraha – 1918
- Satyagraha Against the Rowlatt Act – 1919
- Khilafat Movement – 1919
- Civil Disobedience Movement – 1930
- Quit India Movement – 1942

Montagu-Chelmsford Reforms

- Introduction
- Government of India Act, 1919- Salient Features

NOTES

Modern Indian History from about the middle of the eighteenth century until the present- significant events, personalities, issues.

The Freedom Struggle – its various stages and important contributors/contributions from different parts of the country.

Beginning of Mass Nationalism (1919-1939) (Contd.)

Rowlatt Act, Satyagraha and Jallianwala Bagh Massacre

- Rowlatt Act
- Rowlatt Satyagraha
- Jallianwala Bagh Massacre

Non-cooperation & Khilafat Movement

- Introduction
- Khilafat (Caliphate) Issue
- The Non-Cooperation Khilafat Movement
- Causes of Failure of the Movement
- Impact of Non-Cooperation Movement

Swaraj Party

- Introduction
- Swaraj Party
- Swarajists and No-Changers
- Limitations
- Decline

Simon Commission & Nehru Report

- Simon Commission
- Nehru Report

Civil Disobedience Movement

- Introduction
- Civil Disobedience Movement

Round Table Conferences

- Introduction
- First Round Table Conference 1930

Communal Award & Poona Pact

- Communal Award
- Poona Pact

Participation in Elections to Central Legislature (1934) & Provincial Assemblies (1937)

- Elections to Central Legislature
- Elections of 1937

Government of India Act, 1935

- Introduction
- Government of India Act, 1935

NOTES

Modern Indian History from about the middle of the eighteenth century until the present- significant events, personalities, issues.

The Freedom Struggle – its various stages and important contributors/contributions from different parts of the country.

Towards Freedom & Partition (1939-1947)

National Movement During World War II

- Introduction
- Second World War
- National Movement During Second World War
- Political Activity in India During the time of Second World War

August Offer

- Introduction
- August Offer

Individual Satyagraha

- Introduction
- Individual Satyagraha

Peasant Movements

- Introduction
- 19th Peasant Movements (Pre-Gandhian Phase)
- 20th Century Peasant Movements (Gandhian Phase)
- Difference between 19th and 20th Century Peasant

Movements

- Significance of the Movements

Quit India Movement

- Introduction
- Quit India Movement

Wavell Plan

- Introduction
- What is Wavell Plan and Shimla Conference?

INA & Subhash Chandra Bose

- Introduction
- INA & Subhash Chandra Bose

Cabinet Mission

- Introduction
- Cabinet Mission

Nationalist Upsurge Post-World War II

- Introduction

Indian Independence Act 1947

- Indian Independence Act 1947

NOTES

Modern Indian History from about the middle of the eighteenth century until the present- significant events, personalities, issues.

The Freedom Struggle – its various stages and important contributors/contributions from different parts of the country.

Significant Events, Personalities, Issues

Socio-Religious Reform Movements

- What are social religious reform movements?
- What are the Factors which gave Rise to Reform Movements?
- Brahmo Samaj Movement
- Prarthana Samaj
- Satyashodhak Samaj
- Arya Samaj Movement
- Young Bengal Movement
- Ramakrishna Movement
- Wahabi/Walliullah Movement
- Titu Mir's Movement
- Faraizi Movement
- Ahmadiyya Movement
- Aligarh Movement
- Deoband Movement

- What was Religious Reform among the Parsis?
- What was Religious Reform among the Sikhs?
- Theosophical Movement
- What was the Significance of Reform Movements?
- What were the Limitations of Reform Movements?

Important Historical Personalities

Historical Personalities

- Aurobindo Ghosh
- Dadabhai Naoroji
- Jyotirao and Savitribai Phule
- Women Freedom Fighters
- Ramanujacharya – Statue of equality
- Netaji Subhas Chandra Bose

- Guru Ravidas
- Veer Baal Diwas
- Maharaja Bir Bikram
- Rani Velu Nachiyar
- National Youth Festival (NYF)
- Adi Shankaracharya
- Birsa Munda
- Rani Kamalapati
- About Rani Gaidinliu
- Lachit Borphukan
- Ishwar Chandra Vidyasagar
- Keshab Chandra Sen
- Mahadev Govind Ranade
- Annie Besant
- Syed Ahmed Khan
- Baba Dayal Das
- Jyotiba Phule
- Dr. Bhimrao Ramji Ambedkar

POST-INDEPENDENCE INDIA

(SUB-TOPIC LISTING)

(SYSTEMATICALLY ARRANGED NOTES)

NOTES

Post-independence Consolidation and Reorganization within the country.

**Post-Independence Consolidation and Reorganization
Within The Country.**

Challenges of Nation Building

- Challenges for the New Nation
- Three Challenges
- Partition: – Displacement and Rehabilitation

Integration of Princely States

- Role of Sardar Patel-
- Merger of Important States Before 1947-
- Accession of Remaining Indian States after 1947-

From Colony to Democracy

- Challenge Of Building Democracy
- First General Election (1952)
- Congress Dominance in the first three elections (1952, 1957 and 1962)
- Emergence of Opposition Parties
- Establishment of Democratic Institutions
- Administrative Control
- Education
- Panchayati Raj

Economic Consolidation

- Introduction
- Post Independence Dilemma
- India and National Income
- Growth and Development
- Five Year Plans
- History of Planning in India
- Investment models:
- Trade Policy

India's External Relations

- Introduction
- India's Foreign Policy
- Determinants of India's foreign policy
- The policy of non-alignment
- Indo-China Relationship
- War and Peace with Pakistan
- Bangladesh War of 1971
- Kargil War of 1999
- India's Nuclear Policy

NOTES

Post-independence Consolidation and Reorganization within the country.

**Post-Independence Consolidation and Reorganization
Within The Country. (Contd.)**

The Crisis of Democratic Order

- Challenge of Political Succession
- Fourth General Election of 1967
- The election of 1971 and the restoration of Congress
- Background to Emergency
- Declaration of Emergency
- Controversies regarding Emergency
- Politics after Emergency

Popular Movements

- Nature of Popular Movements
- Chipko Movement
- Dalit Panthers
- Bhartiya Kisan Union
- Anti-Arrack Movement
- Narmada Bachao Andolan
- Lessons From Popular Movements
- RTI Movement

Regional Aspirations in India

- Region and the Nation
- Jammu and Kashmir
- Dravidian Movement
- Punjab
- The North East
- Accommodation and National Integration

Recent Developments in Indian Politics

- Context of the 1990s
- Era of Coalitions
- Political Rise of Other Backward Classes
- Communalism, Secularism, Democracy
- Emergence of a New Consensus

WORLD HISTORY

(SUB-TOPIC LISTING)
(SYSTEMATICALLY ARRANGED NOTES)

NOTES

History of the World will include events from 18th century such as Industrial Revolution, world wars, Redrawing of National Boundaries, Colonization, Decolonization, political philosophies like Communism, Capitalism, Socialism etc.— their forms and effect on the society.

World History

- **The American Revolution and War of Independence 1763 – 1983**
 - What is the American Revolution?
 - Causes of the American Revolution?
 - Timeline of Events
 - War and the Struggle for Independence
 - Birth of the United States of America and the American Constitution
- **The French Revolution**
 - What is The French Revolution?
 - Causes of the French Revolution
 - Four Phases of the French Revolution
- **Industrial Revolution**
 - What is the Industrial Revolution?
 - Causes of the Industrial Revolution
 - Why the Industrial Revolution Started in Europe?
 - Significance & Impact of Industrial Revolution
- **Colonialism and Imperialism**
 - Colonialism, Imperialism And New Imperialism
 - Causes & Impact of Colonialism
- **Napoleonic Era & Continental System**
 - Continental System of Napoleon Bonaparte
- **Unification of Italy**
 - What do you mean by Italian Unification
 - Phases of Italian unification
 - How the unification occur (Italy by 1829)
 - Compare and Contrast Italian and German Unification
- **Unification of Germany**
 - What is the background of German Unification?
 - Phases of German Unification
 - Role of Bismarck

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World History

- **First World War (1914-1918)**
 - Causes of the First World War
 - The Course of the War
 - Treaties after World War I
 - Consequences of First World War
- **Second World War (1939-1945)**
 - The Two Groups: Allies vs Axis Powers
 - Course of the War
 - Consequences of Second World War
- **Cold War**
 - Definition of the Cold War:
 - Origin of Cold War:
 - Causes of the Cold War:
 - Various Phases of the Cold War:
 - Result of the Cold War:
- **Revolutions of 1989 and the Fall of Communism**
 - Revolutions of 1989
 - Anti-communist sentiments
 - Results of the anti-communist revolutions of 1989
- **Disintegration of the USSR (1991)**
 - History of USSR
 - The Socialist Bloc or Second World
 - Problems with USSR
 - Disintegration of the USSR : Major Events
- **Great Depression**
 - The Great Depression (1929-1945):
 - What is the difference between Depression and Recession?
 - What Caused It?
 - The Great Depression: Social, Psychological, and Cultural Effects
 - Rehabilitation Process
 - After effects Measures

INDIAN SOCIETY

(SUB-TOPIC LISTING)
(SYSTEMATICALLY ARRANGED NOTES)

NOTES

Salient features of Indian Society, Diversity of India.

Salient features of Indian Society, Diversity of India

- **Indian Society**

- Introduction
- Characteristics Of Indian Society:

- **Salient Features Of Indian Society:**

- Caste System:
- Religion In India:
- Kinship In India:
- Marriage In India:
- Family In India:

- **Diversity In India:**

- Introduction
- Geographical Diversity:
- Racial Diversity
- Social Diversity

- Diversities in Language
- Religious Diversity
- Diversity in Climate:

- **Unity In India**

- Introduction
- Geographical Unity
- Political Unity
- Religious Unity
- Cultural Unity
- Unity of Language

NOTES

Salient features of Indian Society, Diversity of India.

Salient features of Indian Society, Diversity of India

- **Threat to Unity and Diversity of India**

- Regionalism
- Divisive Politics
- Development Imbalance
- Ethnic Differentiation And Nativism
- Geographical Isolation
- Inter-Religious Conflicts
- Inter-State Conflicts
- Economic Differences
- Terrorism

- **National integration**

- Introduction
- Promotion of Secularism:
- Cultural Integration:
- Economic Development:
- Education:
- Political and Administrative Measures:
- Role of Non-Government Organisations:

NOTES

Role of Women and Women's Organization, Population and Associated Issues, Poverty and Developmental issues, Urbanization, their problems and their remedies.

Role of women and women's organization.

Role of women

- Introduction

Position of Women in Historical times

- Women in Ancient India
- Women in Medieval India
- Women in Bhakti Movement
- Women in Modern India

Important Aspects related to Women

- Women's Constitutional Rights
- Legislative Safeguard
- Problems of Indian Women: 21st Century
- Role of Women In Agriculture And Rural Prosperity
- Gender Budgeting
- Nutrition and Health Related Empowerment of Women
- Inclusive Development and Rural Women
- Prioritizing Economic Empowerment of Women
- Schemes to Uplift Women
- Women Health: Fundamental for a Healthy Nation

Women Organization

- Role of Women Organization
- Related issues
- Institution for Women Empowerment

Population and associated issues.

Population and associated issues.

- Population size and distribution
- What is Population Density?
- Characteristics of the Population of India
- Factors Influencing the Distribution Of Population
- Cause of Overpopulation
- Effects of Overpopulation
- Plans by government of India for population control
- National Population Policy, 2000
- Demographic Dividend:
- New Interventions Under Family Planning
- What India needed to Reaping India's demographic dividend?

NOTES

Role of Women and Women's Organization, Population and Associated Issues, Poverty and Developmental issues, Urbanization, their problems and their remedies.

Poverty and developmental issues.

- **Introduction**
 - Types Of Poverty:
 - Important Concepts
- **Poverty Estimation**
 - Poverty Estimation
 - Measurement of Poverty Line
 - Data Collection Methods
- **Measurement of Poverty:**
 - Pre-Independence Poverty Estimation
 - Post-Independence Poverty Estimation
- **Causes of Poverty In India**
 - Economic Causes
 - Social causes
 - Geographical Factors

- Environmental and climatic factors
- Causes of Poverty: In a nutshell
- **Poverty Impact and Consequences**
 - Impact of Poverty in India
 - Extreme Poverty's Consequences
 - Government intervention
 - Poverty Alleviation Programs in India

Urbanization, their problems and their remedies.

- **Urbanization, their problems and their remedies.**
 - What is urbanization?
 - Major causes of urbanization
 - Features of Urbanisation
 - Trend of Urbanisation in India
 - Problems associated with Urbanisation
 - Remedies for Urbanization

NOTES

Effects of Globalization on Indian society.

Effects of Globalization On Indian Society

- **Introduction**

- Meaning of Globalization

- **Economic Effects of Globalization On Indian Society**

- Liberalization –
- Privatization
- Foreign Direct Investment (FDI) and Globalization of Financial Market –
- International Trade Regulatory Body – WTO
- Multinational and Transnational Companies and their Functioning
- Positive Impact
- Negative Impact

- **Social Effects of Globalization On Indian Society**

- Withdrawal of National Government from Social Sector

- Labour Reforms and Deteriorating Labour Welfare –
- Feminization of Labour –
- Poverty
- Unsustainable Development Practices
- Migration and Urbanization
- Commercialization of Indigenous Knowledge
- Rising Inequality in Wealth Concentration
- Marriage:
- Family:
- Education:
- Society:

- **Cultural Effects of Globalization On Indian Society**

NOTES

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- Family:
- Education:
- Society:

• Cultural Effects of Globalization On Indian Society

- Increased Pace of Cultural Penetration
- The Globalization of Culture
- Development of Hybrid Culture
- Resurgence of Cultural Nationalism
- Language:
- Music, dance, entertainment:
- Food and Dress:
- Religion:
- Festivals:
- Political impact:
- Environmental impact:

NOTES

Social Empowerment, Communalism, Regionalism & Secularism..

Effects of Globalization On Indian Society(Contd.)

- **Psychological Impact of Globalization On Indian Society**

- Stress and insecurity
- Spread of emerging adulthood:
- Identity Confusion:

- **Agricultural Impact of Globalization On Indian Society**

- Positives of globalization on agriculture:
- Negatives of globalization on agriculture:

- **Caste System Impact of Globalization On Indian Society**

- Positive impact:
- Negative impact:

- **Merits And Demerits of Globalisation**

- Merits: of Globalisation
- Demerits: of Globalisation

- **Globalization 4.0**

- Globalization 1.0
- Globalization 2.0
- Globalization 3.0
- Globalization 4.0
- What are the Challenges of Globalization 4.0?
- What needs to be done?

GEOGRAPHY

(SUB-TOPIC LISTING)

(SYSTEMATICALLY ARRANGED NOTES)

NOTES

Salient features of World's Physical Geography & Important Geophysical Phenomena such as earthquakes, Tsunami, Volcanic activity, cyclone etc., geographical features and their location-changes in critical geographical features (including water-bodies and ice-caps) and in flora and fauna and the effects of such changes.

General Geography

- **Origin of universe**

- Universe
- Galaxy
- Stars and constellations

- **STARS**

- Constellations
- Sun

- **Solar system**

- Planets
- Mercury
- Moon
- Asteroids
- Meteorites
- Comets

- **Evolution of earth**

- The Earth
- Size and Shape of the Earth
- Motions of the Earth
- Major Parallel of Latitudes
- Geographical Zones on Earth
- Longitudes:
- Longitude and Time
- Standard Time and Time zones
- Indian Standard Time

- **Geological time scale**

- Eras
- PRECAMBRIAN ERA (Eozoic)

- PALEOZOIC ERA
- MESOZOIC ERA
- CENOZOIC ERA

- **Motion of the earth**

- Rotation:
- Revolution:
- Equinox
- Prime meridian
- EQUATOR
- TROPIC OF CANCER AND TROPIC OF CAPRICORN

NOTES

Salient features of World's Physical Geography & Important Geophysical Phenomena such as earthquakes, Tsunami, Volcanic activity, cyclone etc., geographical features and their location-changes in critical geographical features (including water-bodies and ice-caps) and in flora and fauna and the effects of such changes.

Geomorphology

• Domains of the Earth

- Lithosphere
- Atmosphere
- Hydrosphere
- Biosphere – The Domain of Life

• Interior of the Earth

- About Basics
- Sources to study the earth's interior
- Direct Sources of Earth's Interior
- Indirect Sources of Earth's Interior

• Structure of the Earth's interior

- Crust
- Mantle
- Core
- Earth's Layers- Seismic Discontinuities
- Earth's Chemical Composition

• Distribution of Continents & Oceans

- Continental Drift Theory
- Spreading Theory
- Plate Tectonic Theory

• Distribution of Earthquakes & Volcanoes

- Earthquakes
- Volcanoes

• Rocks & Rock Cycle

- Rock
- Igneous Rocks
- Sedimentary Rocks
- Metamorphic Rocks
- Rock Cycle

• Geomorphic Processes – Endogenic & Exogenic

- Geomorphic Processes
- Endogenic forces
- Exogenic (Exogenetic) Processes

• Landforms & their Evolution

- Major Landforms
- Mountains
- Plateaus
- Plains

NOTES

Salient features of World's Physical Geography & Important Geophysical Phenomena such as earthquakes, Tsunami, Volcanic activity, cyclone etc., geographical features and their location-changes in critical geographical features (including water-bodies and ice-caps) and in flora and fauna and the effects of such changes.

Oceanography

- **Introduction**

- Ocean Relief Features

- **Division of Ocean Floor**

- the Continental Shelf
- the Continental Slope
- the Deep Sea Plain
- the Oceanic Deeps
- Minor relief features

- **Bottom Reliefs of all Oceans**

- Bottom Reliefs of the Indian Ocean
- Bottom Reliefs of the Pacific Ocean
- Bottom Reliefs of the Atlantic Ocean
- Bottom Reliefs of the Indian Ocean

- **Temperature of Ocean Water**

- Temperature

- **Salinity of Ocean water**

- Horizontal distribution of salinity
- Vertical distribution of salinity
- Relationship Between Salinity, Temperature, And Density

- **Waves and Tsunamis**

- Introduction
- Anatomy of a Wave
- Wave Formation- Surface Waves
- Tsunami Waves

- Ocean Current

- Ocean Tides

- Ocean Issues & Threats

- Coral Reefs

- Marine Resources

- **United Nations Convention on the Law of the Sea**

- Maritime Zones

NOTES

Salient features of World's Physical Geography & Important Geophysical Phenomena such as earthquakes, Tsunami, Volcanic activity, cyclone etc., geographical features and their location-changes in critical geographical features (including water-bodies and ice-caps) and in flora and fauna and the effects of such changes.

Climatology

- **Atmosphere**

- About Atmosphere
- Composition of the Atmosphere
- Structure of the Atmosphere

- **Weather & Climate**

- Weather, Seasons & Climate
- The Elements of Weather and Climate
- Factors affecting Climate

- **Heat & Temperature**

- Insolation
- Heat Budget
- Distribution of Temperature
- Temperature Inversion

- **Pressure and Pressure belts**

- Atmospheric Pressure
- Measurement of Air Pressure
- Distribution of Pressure
- Pressure Belts

- **Winds**

- Winds
- The direction of the Wind
- Forces Controlling Winds
- Measuring Instruments
- Types of Winds

NOTES

Salient features of World's Physical Geography & Important Geophysical Phenomena such as earthquakes, Tsunami, Volcanic activity, cyclone etc., geographical features and their location-changes in critical geographical features (including water-bodies and ice-caps) and in flora and fauna and the effects of such changes.

Climatology (Contd.)

• **Precipitation / Rainfall**

- Precipitation
- Process of precipitation
- Different forms of Precipitation
- Types of Rainfall / Precipitation
- Distribution of Rainfall-GLOBAL
- Distribution of Rainfall-INDIA

• **Air Masses**

- Air Masses
- Source Regions
- Conditions for Formation of Air Masses
- Air Mass Formation and Processes
- Classification of Air Masses
- Effect of Air Masses on World Weather

• **Cyclones and Anticyclones**

- Types of Cyclones
- Difference Between Extratropical and Tropical Cyclones
- Tropical Cyclones And Their Related Hazards
- Why More Cyclones Hit Eastern Coast Of India?
- Cyclone Season
- Climate Change and Tropical Cyclones
- Anti Cyclone
- Difference between Cyclones and Anticyclones

• **World Climatic Regions**

- Introduction
- Classification of World Climate
- Global Climate Classification

NOTES

Salient features of World's Physical Geography & Important Geophysical Phenomena such as earthquakes, Tsunami, Volcanic activity, cyclone etc., geographical features and their location-changes in critical geographical features (including water-bodies and ice-caps) and in flora and fauna and the effects of such changes.

Bio-Geography

- **Soil and its characteristics**

- About Soil
- Formation of Soils
- Factors affecting formation of Soil
- Soil Profile
- Classification of Soils
- Classification of Soils in India

- **BIOME**

- Biome
- Examples of Biomes
- Factors Affecting Biomes
- Major Biomes of the World

- **Mineral**

- Mineral
- Types of Minerals

- Extraction of Minerals
- Distribution of Minerals

Physical Geography of India

- India - Size and Location
- Physical Features of India
- Drainage
- Climate
- Natural Vegetation and Wildlife
- Population
- Resources and Development
- Forest and Wildlife Resources
- Water Resources
- Agriculture
- Minerals and Energy Resources
- Manufacturing Industries
- Life Lines of National Economy

NOTES

Salient features of World's Physical Geography & Important Geophysical Phenomena such as earthquakes, Tsunami, Volcanic activity, cyclone etc., geographical features and their location-changes in critical geographical features (including water-bodies and ice-caps) and in flora and fauna and the effects of such changes.

Important Geophysical Phenomena Earthquakes

- Characteristics of an Earthquake
- Types of Earthquakes
- Causes of Earthquakes
- Effects of Earthquake
- Body Waves
- Shadow Zone
- Measurement
- Effects of Earthquakes

Tsunami

- Tsunami
- Indian Ocean Tsunami
- Tsunami is in India
- Causes of Tsunami
- Tsunami Early Warning System in India

- Tsunami Risk, Hazard & Mitigation Measures

Volcanoes

- Volcano
- Formation of Volcanoes
- Location of Volcanoes
- Reasons for Concentration of volcanoes along the Ring of Fire
- Volcanic Landforms
- Effects of Volcanism
- Measures to mitigate volcanic disasters

Cyclones and Anticyclones

- Types of Cyclones
- Difference Between Extratropical and Tropical Cyclones

- Tropical Cyclones And Their Related Hazards
- Why More Cyclones Hit Eastern Coast Of India?
- Cyclone Season
- Climate Change and Tropical Cyclones
- Anti Cyclone
- Difference between Cyclones and Anticyclones

NOTES

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).

Distribution of Key Natural Resources Across The World (Including South Asia And The Indian Sub-Continent);

- **Natural Resources across The World and South Asia**

- Introduction
- Classification of Resources
- Mineral Resources and their Distribution
- Energy Resources and their Distribution

- **Natural Resources across the Indian Sub-Continent**

- Introduction
- Natural Resources
- Non-Conventional Sources of Energy
- Conventional Energy
- Energy consumption - Current Scenario
- Natural Resource Management
- Natural Resource Management Programmes

- **Factors Responsible For The Location Of Primary, Secondary, And Tertiary Sector Industries In Various Parts Of The World (Including India).**

- **Classification of Industries**

- Introduction
- Geographical Factors
- Non-Geographical Factors

- **Major Industrial Regions of India**

- Mumbai-Pune Industrial Region
- The Hugli Industrial Region
- Bangalore-Tamil Nadu Industrial Region
- Gujarat Industrial Region
- Chotanagpur Industrial Region
- Vishakhapatnam-Guntur Industrial Region
- Gurgaon-Delhi-Meerut Industrial Region:
- Kollam-Thiruvananthapuram Industrial Region

NOTES

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).

Factors Responsible For The Location Of Primary, Secondary, And Tertiary Sector Industries In Various Parts Of The World (Including India).

- Iron and Steel industry
- Timber based Industries
- Paper and Pulp based Industries
- Commercial Fishing Based Industries
- Cotton & Textile Based Industries
- Wool Based Industries
- Jute textiles Based Industries
- Wheat Industries
- Rice Industry in China
- US Corn and Livestock Belt Based Industries
- Dairy Industries
- Meat Industry
- Horticulture Based Industry
- Viticulture Based Industry

- Plantations Based Industries
- Sugarcane Plantations Industry
- Tea and Coffee plantations Industry
- Automobile Industry
- Shipbuilding Industry
- Aluminum Industry
- Copper Industry
- Petroleum Industry
- Natural Gas Based Industries

Please Note-Location Factors has been covered for all above industries.