



Known as 'ford-makers' or 'crossing-makers'

Low TFR values can lead to population decline and aging populations.

Policies promoting family planning and female empowerment can help reduce TFR.

High TFR values can pose challenges for social and economic development.

Understanding TFR trends is crucial for informed policy-making and sustainable development.

TFR is a key indicator used by demographers, economists, and policymakers to assess population dynamics.

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Total fertility rate (TFR) is a measure of the average number of children a woman would have in her lifetime.

TFR provides valuable insights into population dynamics and demographic trends.

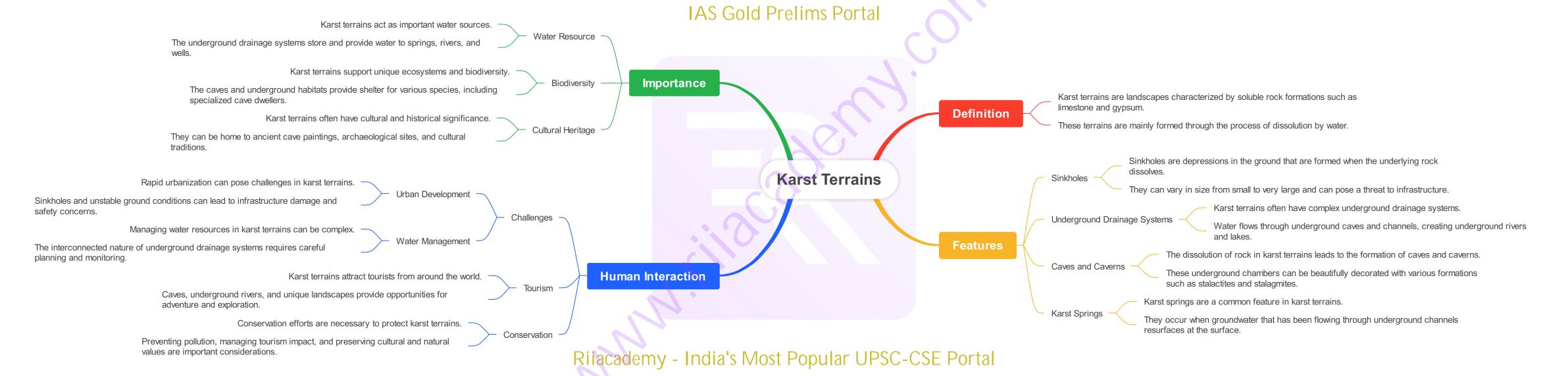
High TFR values are traditionally associated with developing countries, where large families are common.

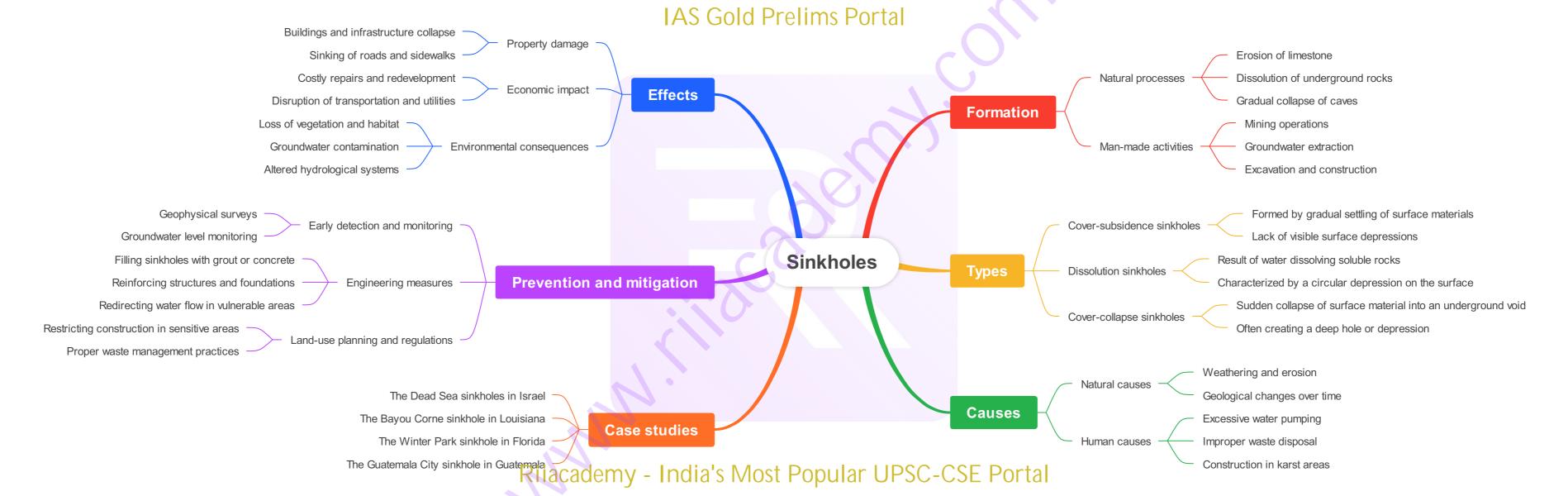
Factors influencing TFR include social, economic, and cultural variables.

TFR has an impact on population growth, age structure, and labor force participation.

TFR is influenced by contraception use, education levels, and women's empowerment.

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Bhagavatism

Hindu philosophical tradition centered around devotion to the god Krishna

Known as the eighth avatar of Vishnu Krishna is considered the supreme god in Bhagavatism Celebrated for his divine leelas (miracles) and teachings in the Bhagavad Gita Devotees strive for an intimate, personal relationship with Krishna Bhakti (devotion) is the core practice in Bhagavatism Belief in surrendering oneself to Krishna's will and seeking union with him Regularly engage in bhajans (devotional singing) and kirtans (chanting) in praise of Krishna Devotees focus on cultivating deep emotional attachment towards Krishna Recite sacred texts, such as the Bhagavad Gita and the Srimad Bhagavatam, to Bhagavatism emphasizes the importance of love and devotion over rituals and deepen their understanding of Krishna's divinity knowledge Liberation achieved by developing pure divine love for Krishna, known as prema Bhagavatism teaches the concept of moksha (liberation) through surrender to Krishna One aims to attain Goloka, the spiritual abode of Krishna, through their devotion Vaishnavas worship various forms of Vishnu, with Krishna being one of the most prominent deities Vaishnavism is a broader tradition that incorporates Bhagavatism Bhagavatism's emphasis on devotion has shaped Vaishnavism's practices and beliefs Bhagavatism has influenced other Hindu traditions and the development of Vaishnavism Bhakti movements gained popularity in medieval times, emphasizing devotion and love for gods like Krishna Bhagavatism also influenced the growth of bhakti movements in India These movements played a significant role in making devotional practices accessible to people of all castes and social backgrounds Temples dedicated to Krishna are found across the globe, attracting pilgrims and followers Festivals like Janmashtami and Holi celebrate Krishna's birth and his playful Bhagavatism continues to be practiced by millions of devotees worldwide interactions with devotees Bhagavatism's teachings on love and devotion continue to inspire individuals in their Rijacademy - India's Most Popular UPSC-CSE Portal

By quantifying risk, ECF facilitates effective decisionmaking.

It helps firms optimize their capital allocation strategy.

ECF provides a basis for stress testing and scenario analysis.

Through these exercises, firms can evaluate their resilience to adverse events.

The framework enhances the overall financial stability of organizations.

ECF is an evolving tool that is continuously refined and updated.

It enables firms to adapt to changing risk landscapes.

By incorporating historical data and industry knowledge, ECF enhances risk assessment.

The framework supports regulatory compliance and reporting requirements.

Firms can demonstrate their ability to withstand potential losses.

ECF is a valuable tool for risk managers and senior executives.

It provides a structured approach to managing and mitigating risks.

By considering the full spectrum of risks, ECF promotes a comprehensive risk management culture.

Organizations can enhance their risk governance framework through the implementation of ECF.

Economic Capital Framework (ECF) is a risk management tool.

It is used to calculate and allocate capital for potential losses.

ECF considers various risk factors and their impact on the firm's financial condition.

The framework helps to determine the amount of capital required to cover unexpected losses.

ECF is often utilized in financial institutions, such as banks and insurance companies.

It provides a comprehensive approach to risk management.

The framework enables organizations to assess risk across different business lines.

ECF takes into account both quantitative and qualitative factors.

It considers market risk, credit risk, operational risk, and other relevant risks.

By assessing these risks, ECF helps firms identify areas of vulnerability.

Each risk factor is assigned an appropriate weight based on its importance.

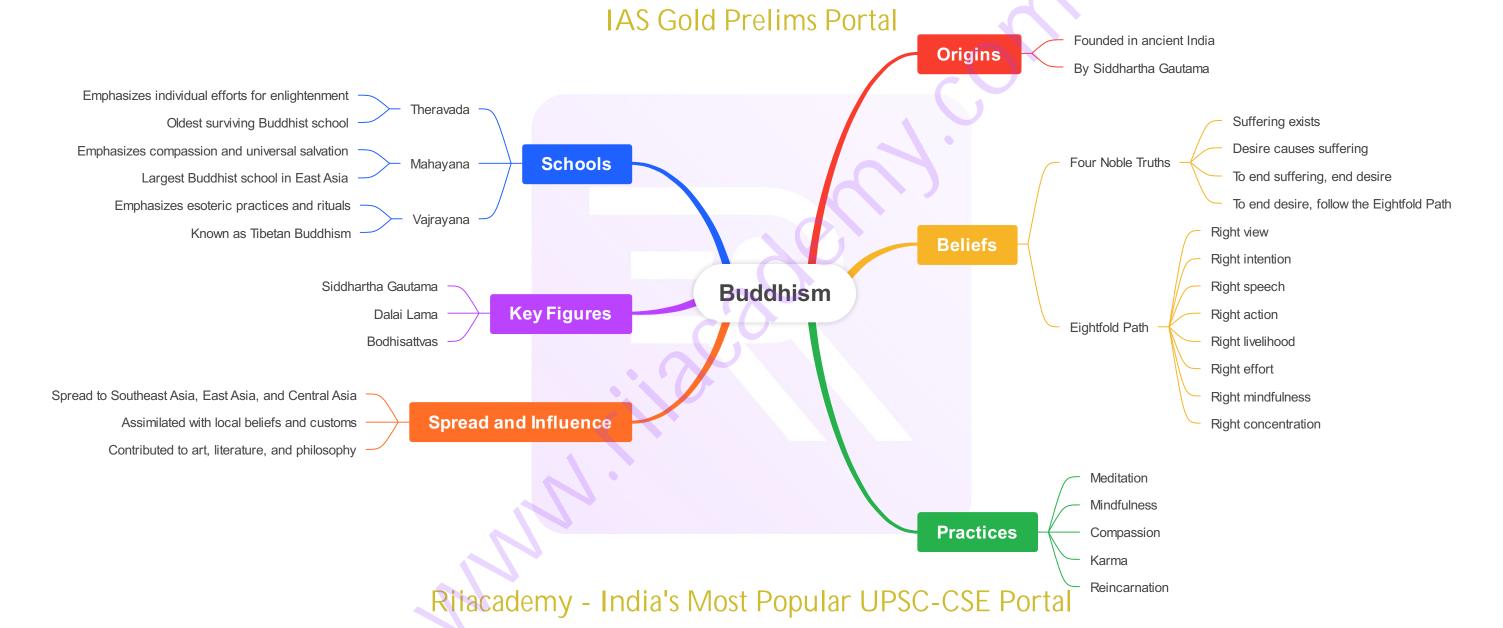
This weighting ensures a more accurate estimation of capital requirements.

ECF allows organizations to set risk tolerance levels and establish risk appetite.

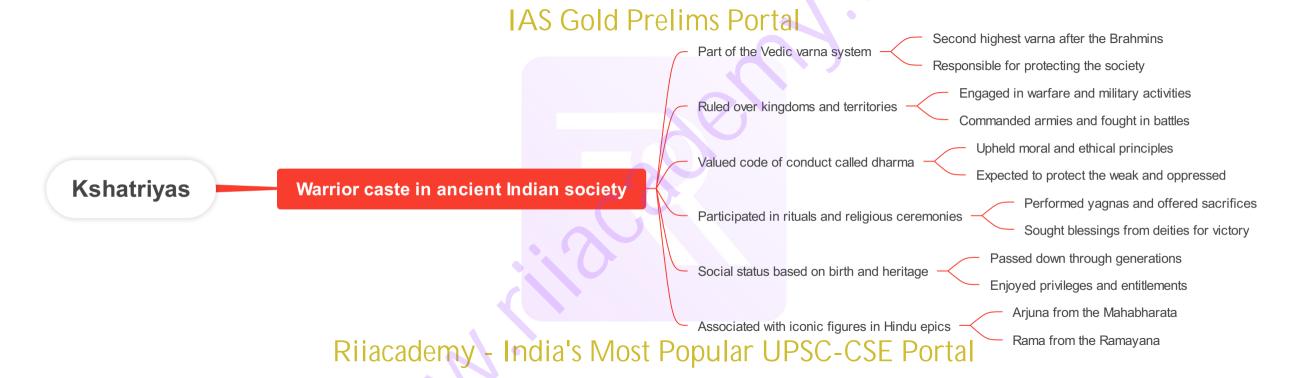
The framework promotes a better understanding of risk across the organization.

Economic Capital Framework (ECF)

IAS Gold Prelims Portal Established in 1935 Also known as the Banker's Bank Headquartered in Mumbai Controls monetary policy in India Ensures stability and strength of the Indian banking system Regulates and supervises financial institutions in India Issues licenses to new banks — Objective is to promote competition and financial inclusion Conducts inspections and audits of banks Responsible for issuing currency notes and coins Issues and manages the Indian rupee currency Maintains currency reserves Manages the government's bank accounts Acts as the banker to the Government of India Helps the government manage its finances Reserve Bank of India (RBI) Central banking institution of India Researches and analyzes economic and financial issues Conducts research and sets policies Develops and implements monetary policies Cooperates with other central banks on global economic issues Collaborates with other central banks and international organizations Participates in international forums and committees Provides education and awareness programs Promotes financial inclusion and literacy Encourages financial empowerment and inclusion for all citizens Manages risks and crises in the financial sector Enhances the stability of the Indian financial system Implements measures to ensure financial stability Facilitates credit flow to various sectors of the economy Supports economic development and growth Riiacademy - India's Most Popular UPSC-CSE Portal







Currency and Gold Revaluation Account

(CGRA)

It aids in the assessment of a country's economic and financial stability, as well as its ability to manage external risks.

CGRA also contributes to the transparency and credibility of a country's monetary and financial system.

The use of CGRA allows countries to accurately measure and report the value of their currency and gold

In conclusion, Currency and Gold Revaluation Account (CGRA) serves as an important tool for accounting and managing the revaluation of a country's currency and gold holdings. It helps in accurately reflecting the current worth of these assets, impacting a country's financial position and international reserves. CGRA plays a vital role in assessing a country's economic stability and managing external risks, enhancing transparency and credibility in its monetary system.

CGRA is an accounting entry used to record the revaluation of a country's currency and gold holdings.

The revaluation of currency and gold can have implications for a country's international reserves and its ability to meet external obligations.

CGRA is subject to periodic adjustments based on changes in exchange rates and the market value of gold.

It serves as a temporary account to hold unrealized gains or losses resulting from changes in currency exchange rates and the market value of gold.

CGRA is usually maintained by central banks and is integral to their monetary policy and reserve management.

A positive revaluation signifies an increase in the value of a country's currency or gold holdings, which can enhance its financial strength.

Conversely, a negative revaluation implies a decrease in the value of a country's currency or gold holdings, which can adversely affect its financial position.

These adjustments are made to reflect the actual gains or losses from the revaluation of currency and gold.

The frequency of adjustments may vary depending on accounting practices and the volatility of currency and gold markets.

The revaluation of currency and gold helps to accurately reflect the current worth of these assets in a country's balance sheet.

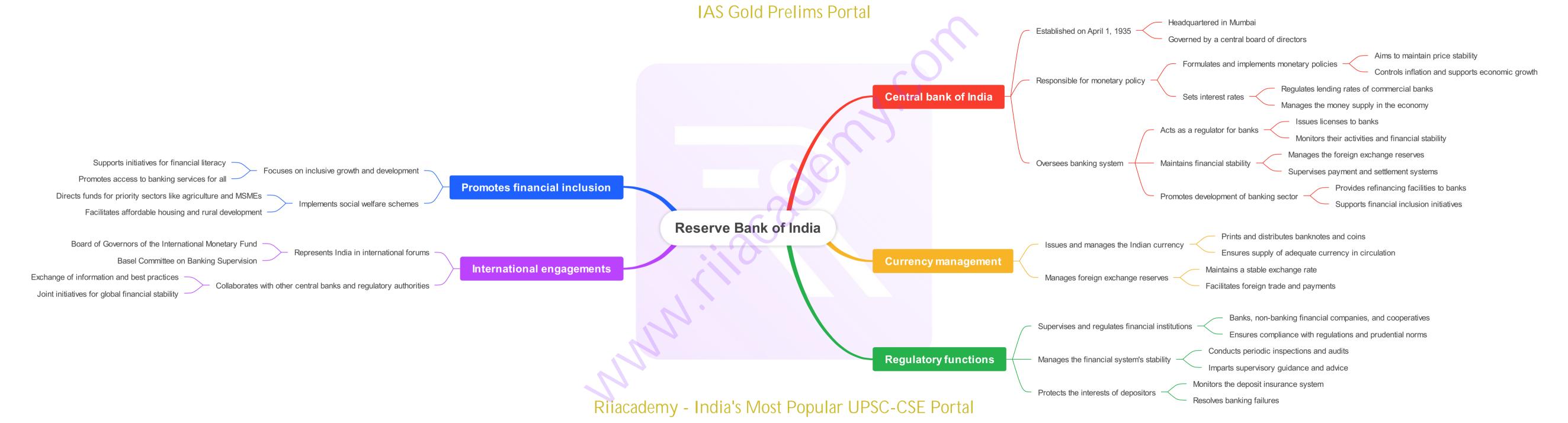
Changes in exchange rates or gold prices can significantly impact a country's balance of payments and financial position.

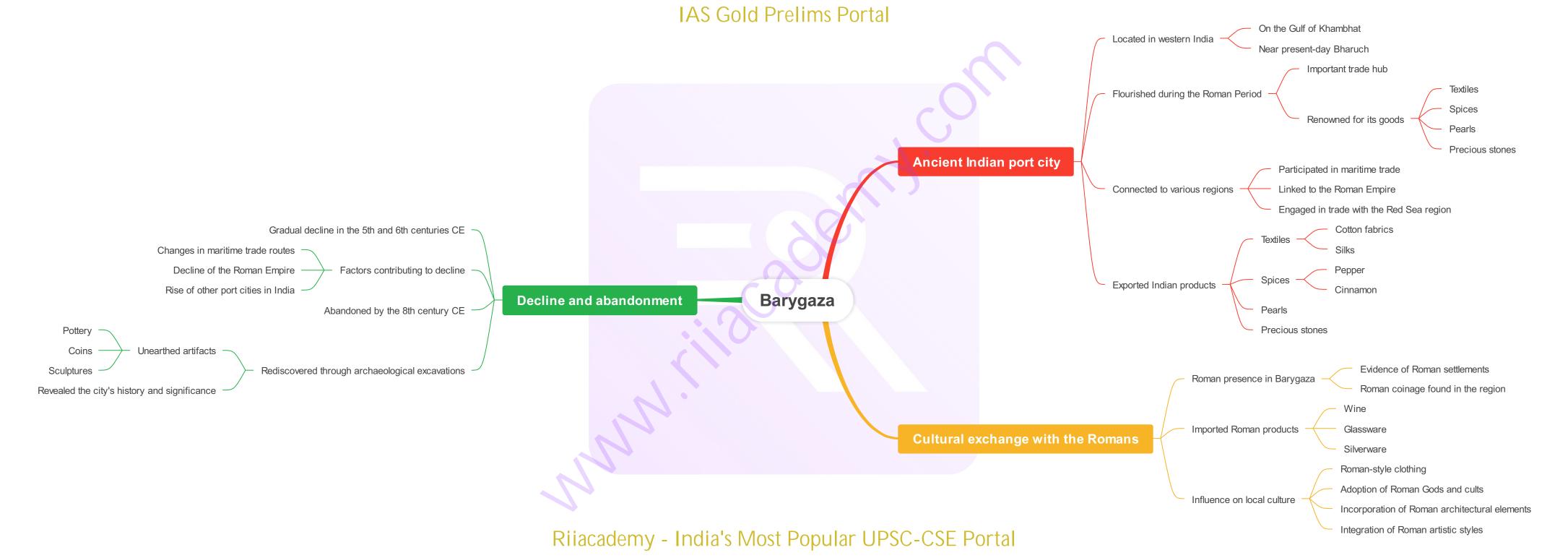
It may boost a country's ability to service external debt and support its economy during periods of economic instability.

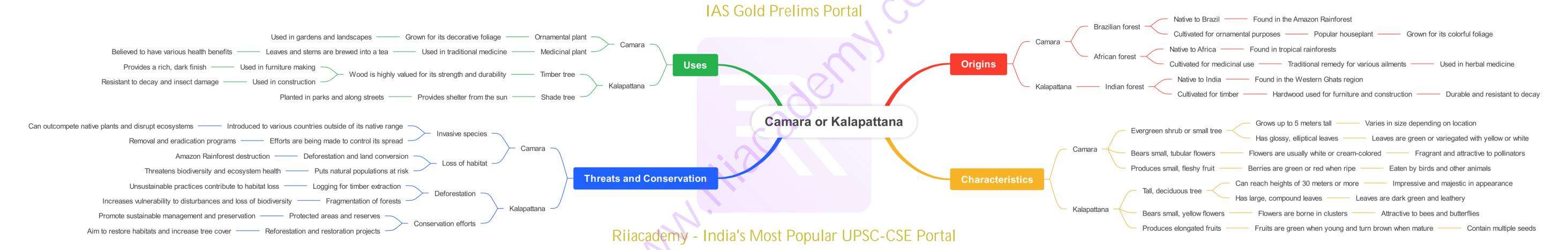
A positive revaluation can also provide a cushion against potential losses in other international investments.

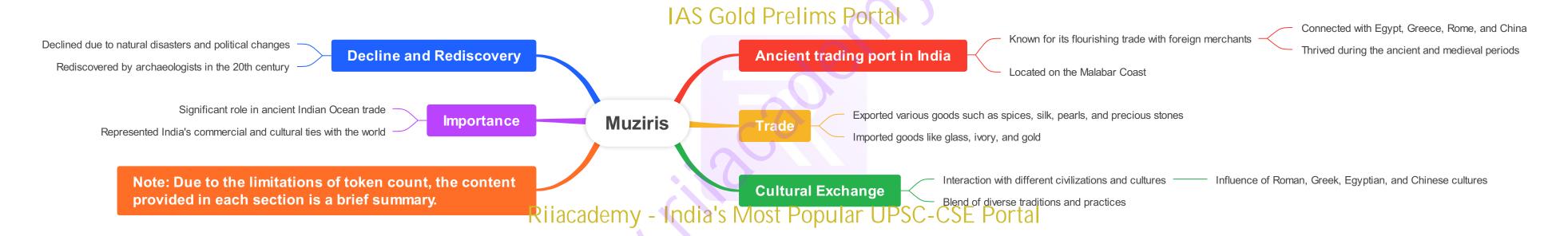
It may lead to a reduction in a country's international reserves and limit its capacity to meet external obligations.

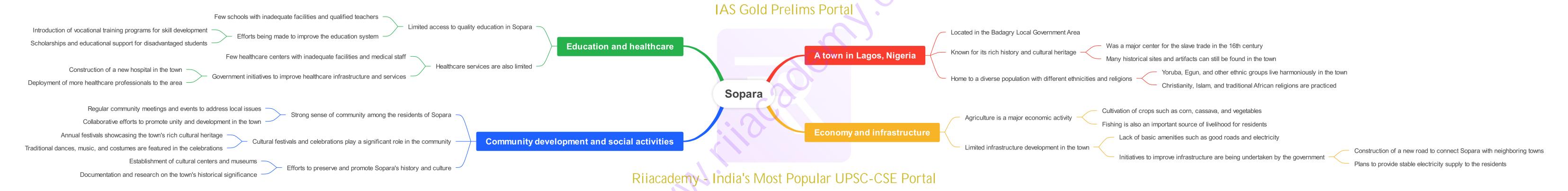
A negative revaluation can also erode confidence in a country's economy and impact its borrowing costs in international markets.

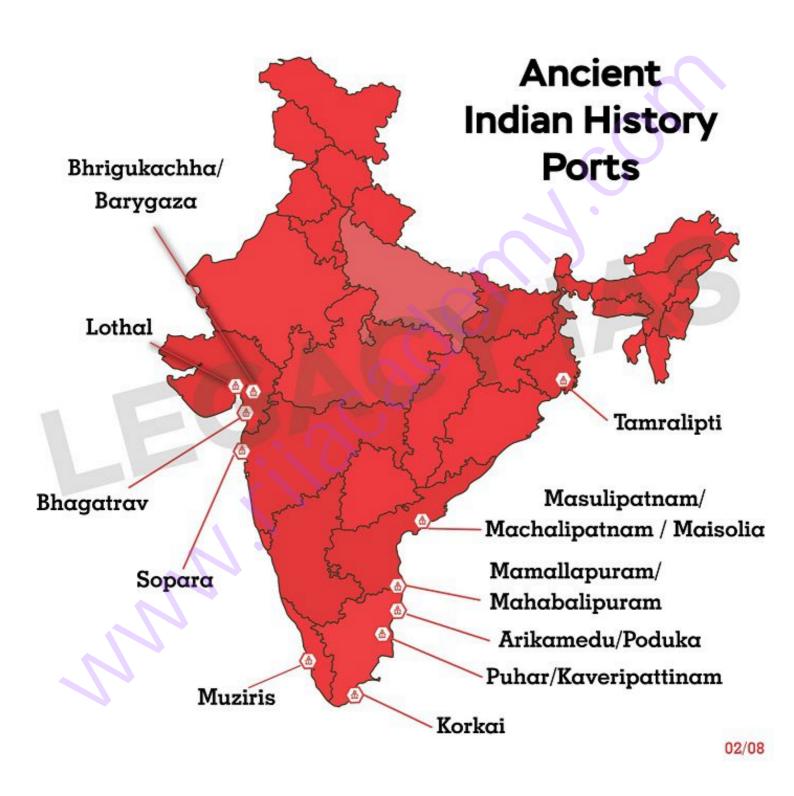












Safeguards the principles of justice, equality, and liberty enshrined in the Constitution.

Ensures that legislation is in accordance with the fundamental rights of the citizens.

Requires the State to make laws that are consistent with the constitutional provisions.

Prevents the State from enacting laws that violate fundamental rights.

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Tackles the issue of laws that are inconsistent with or in derogation of the fundamental rights guaranteed by

the Constitution.

Protects individuals against laws that infringe upon

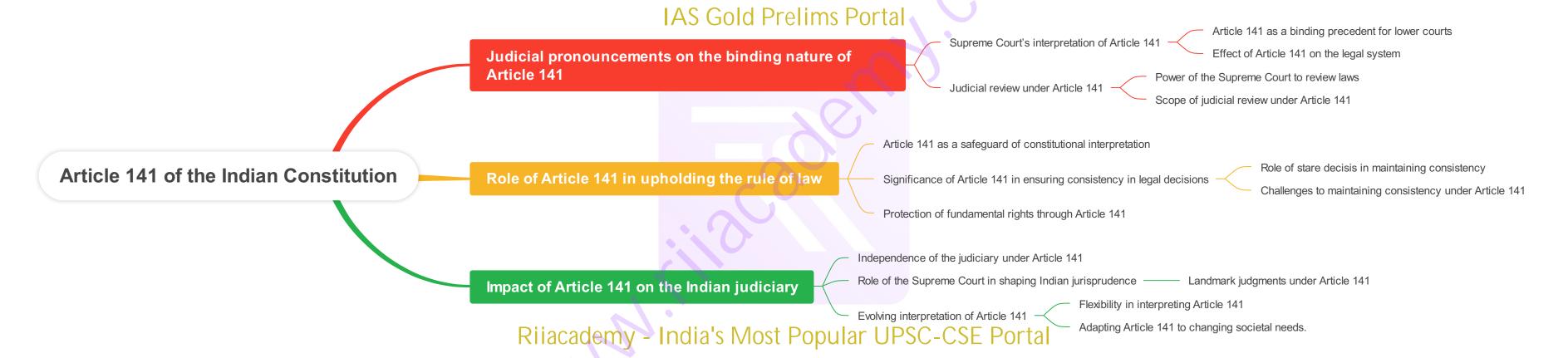
Ensures that any law that contravenes the fundamental rights shall be declared void to the extent of the contravention.

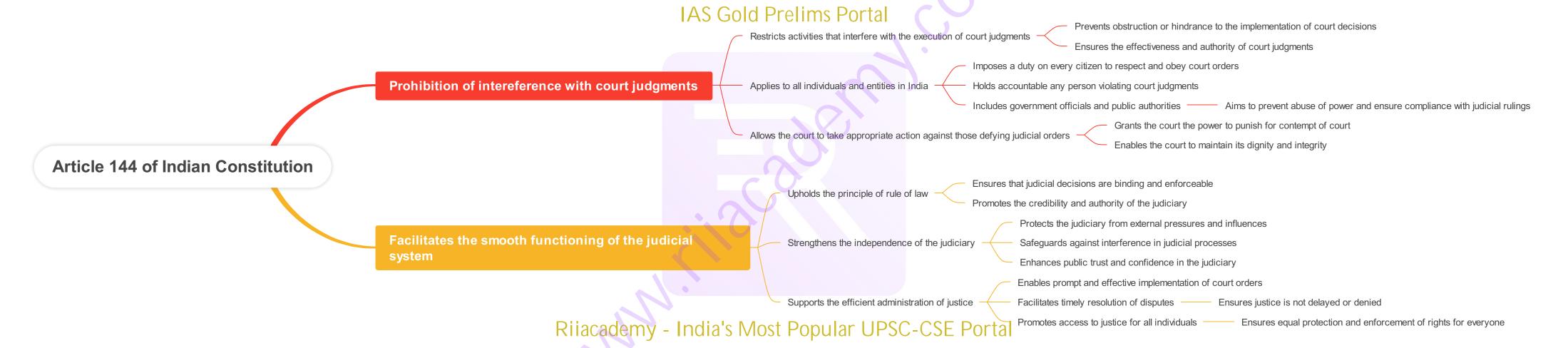
Empowers the judiciary to strike down laws that violate fundamental rights.

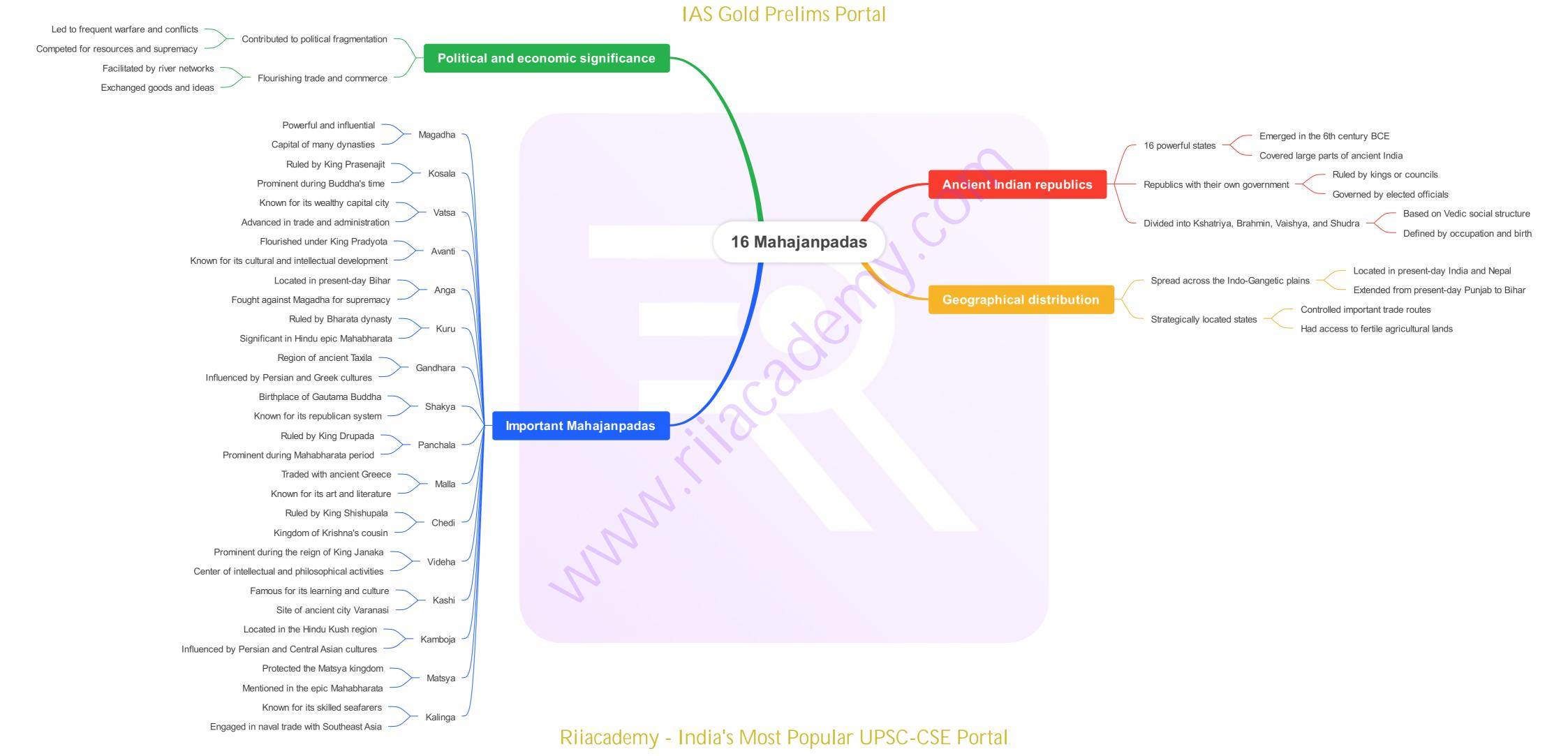
Serves as a safeguard for citizens' fundamental rights.

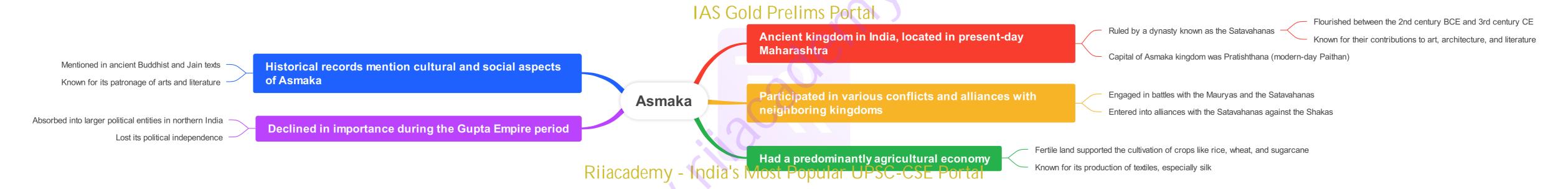
Provides for the invalidation of such laws.

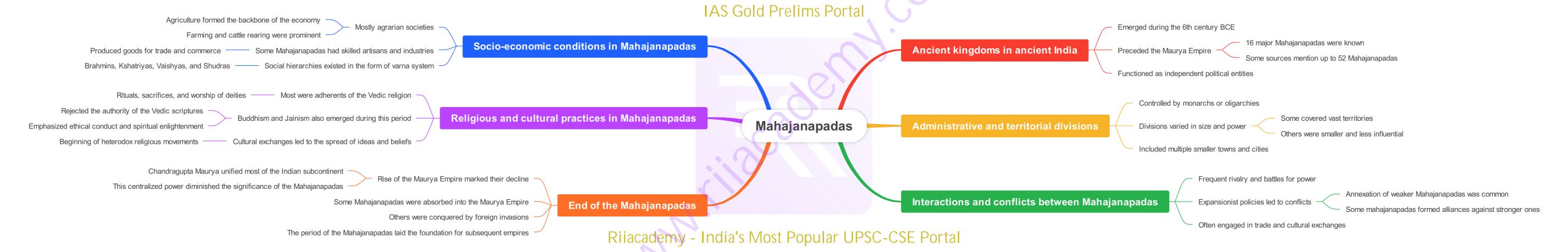
Article 13(2) of the Indian Constitution



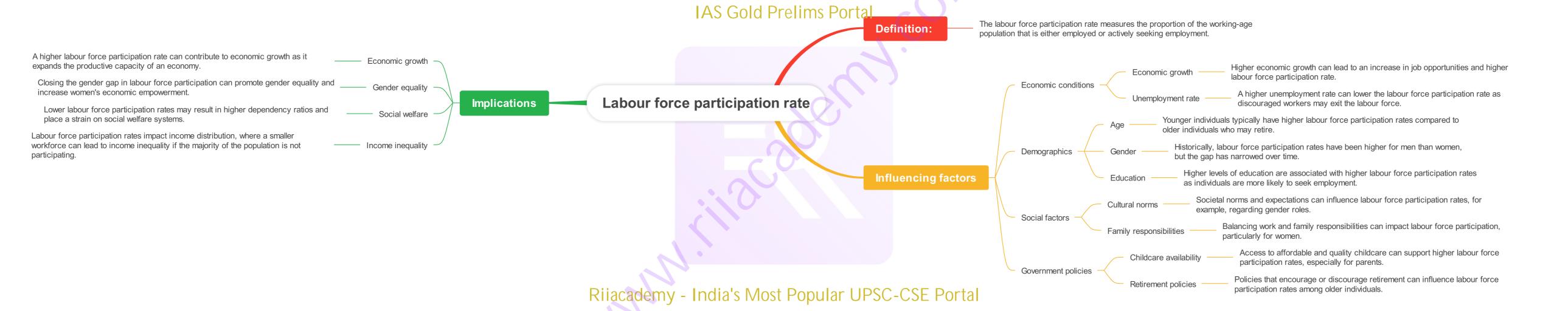


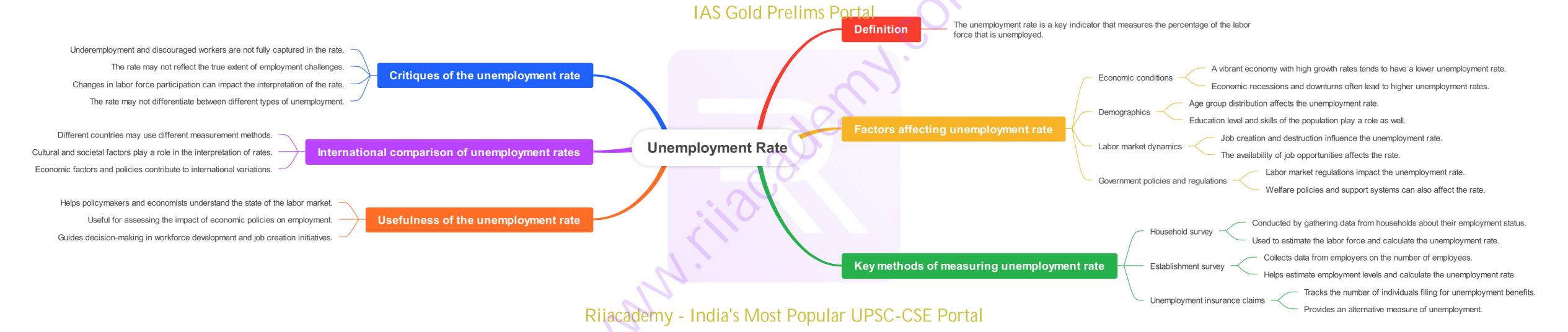


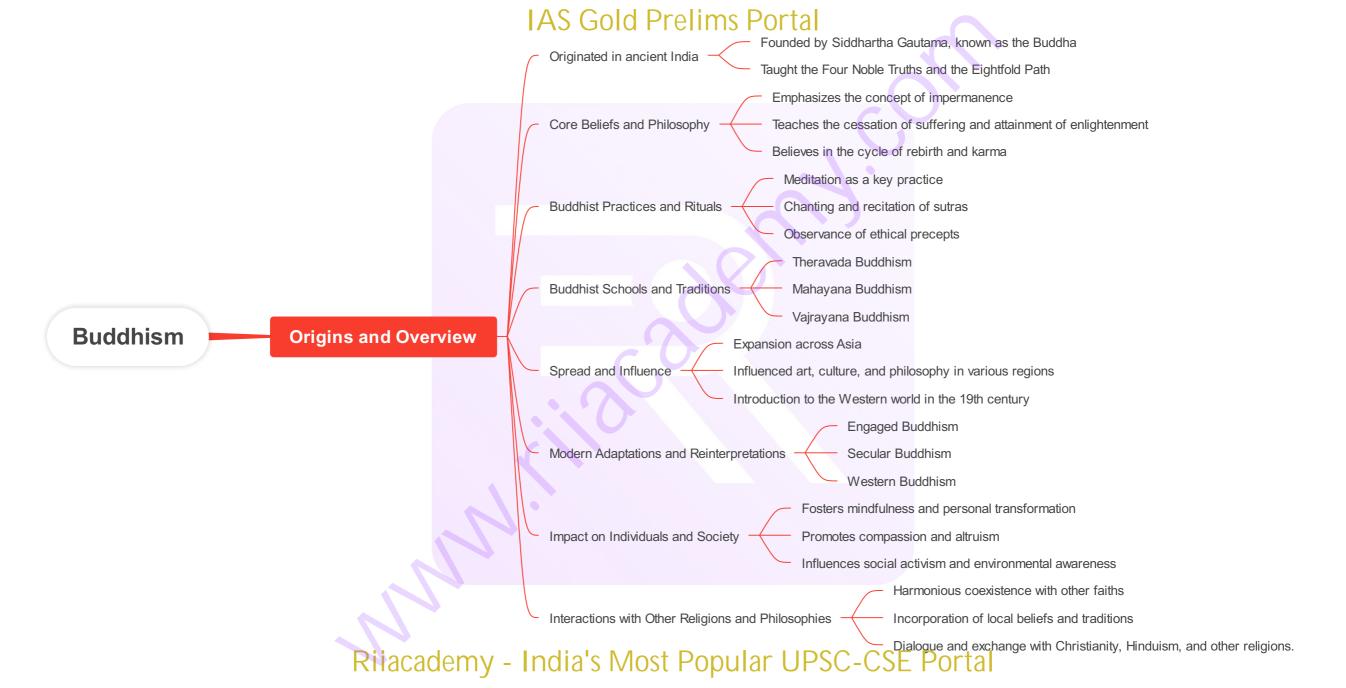


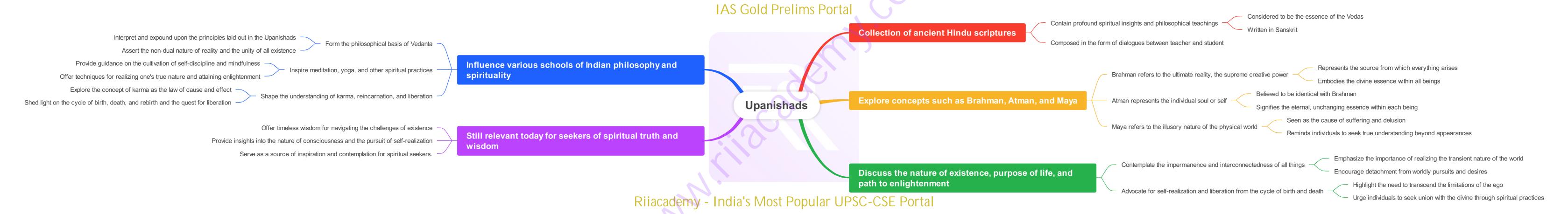


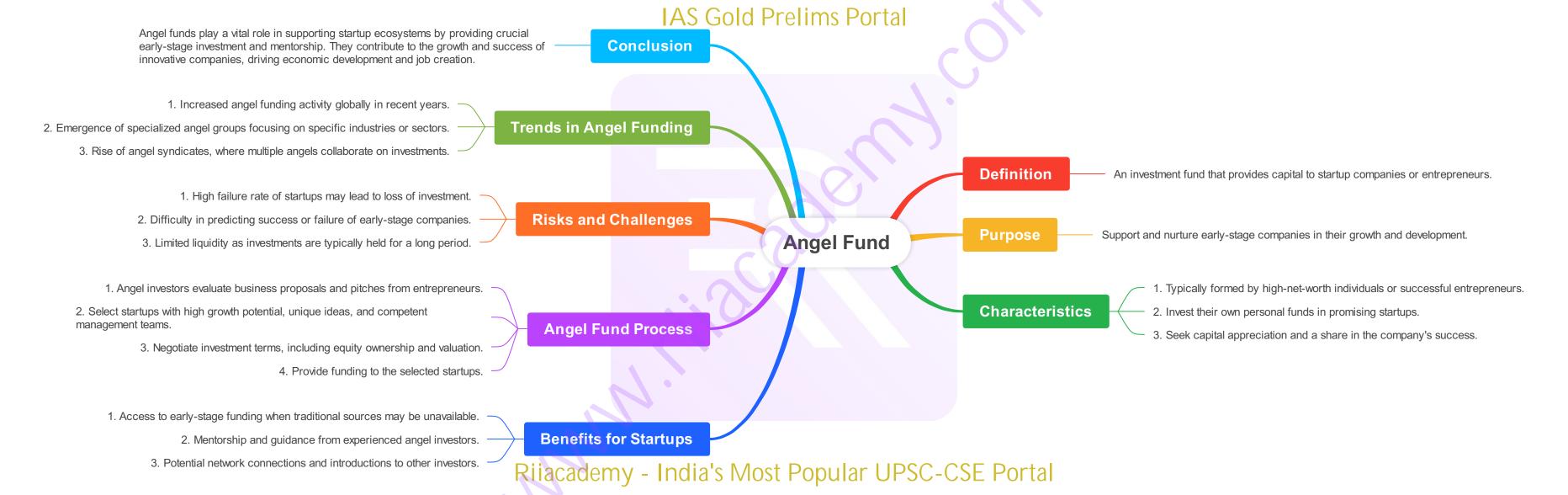


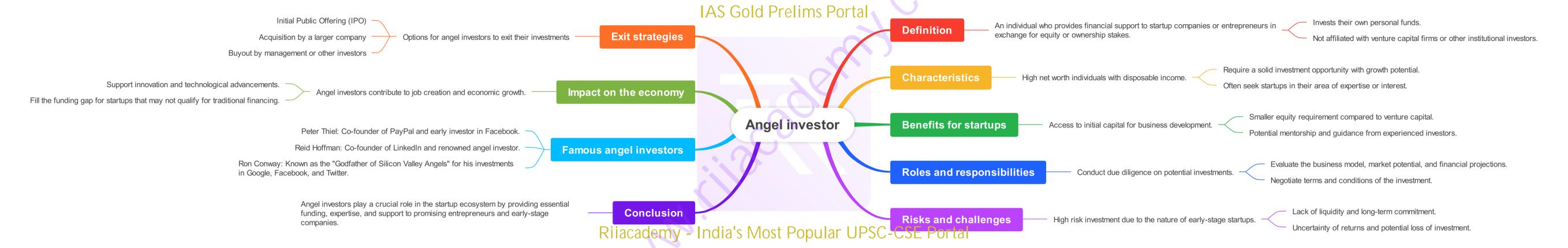




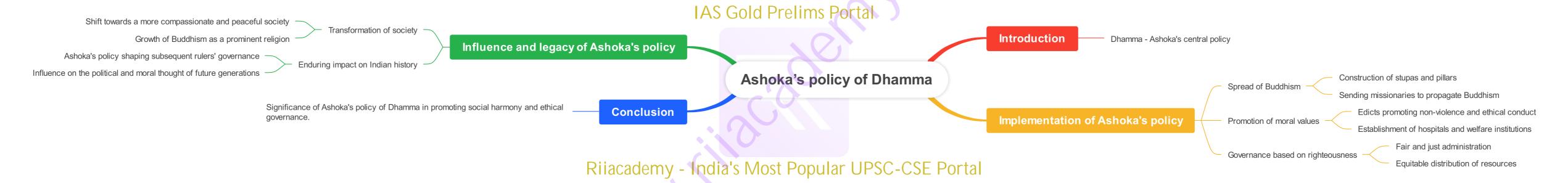


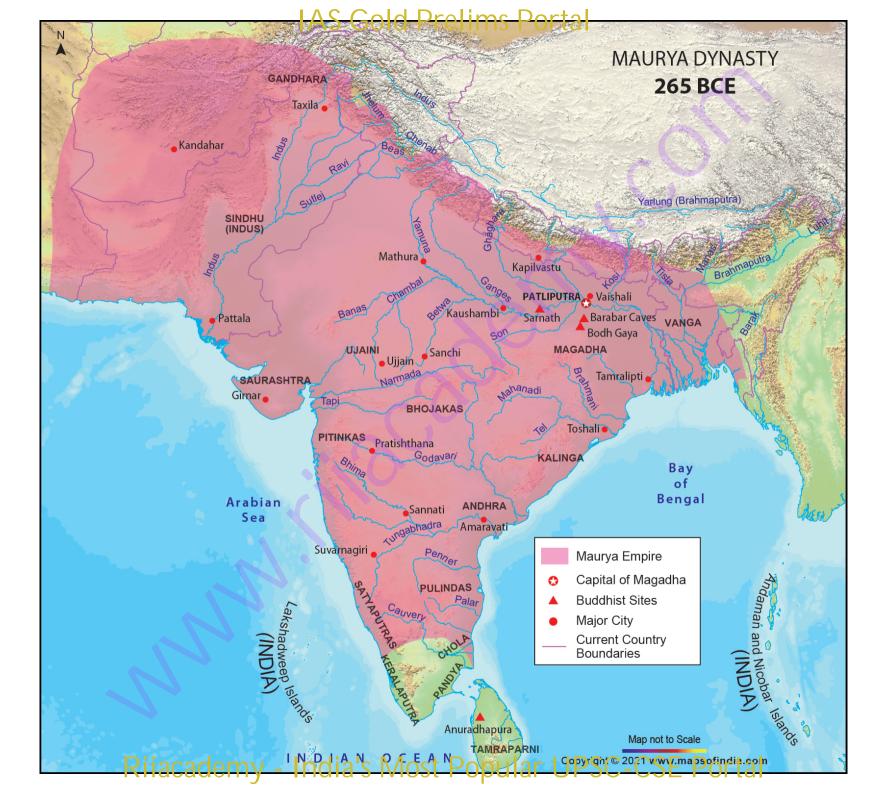


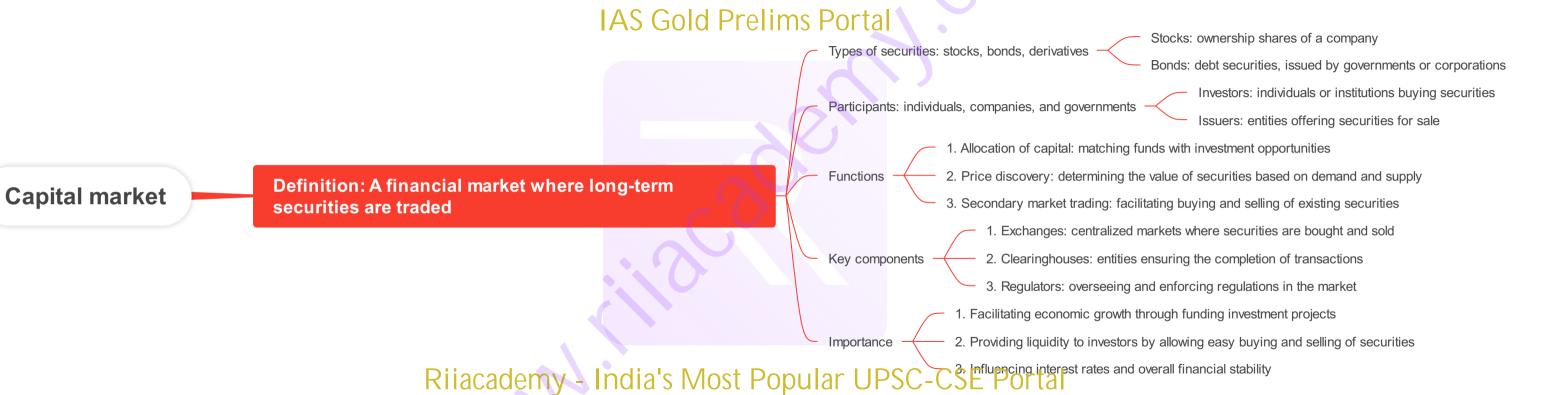


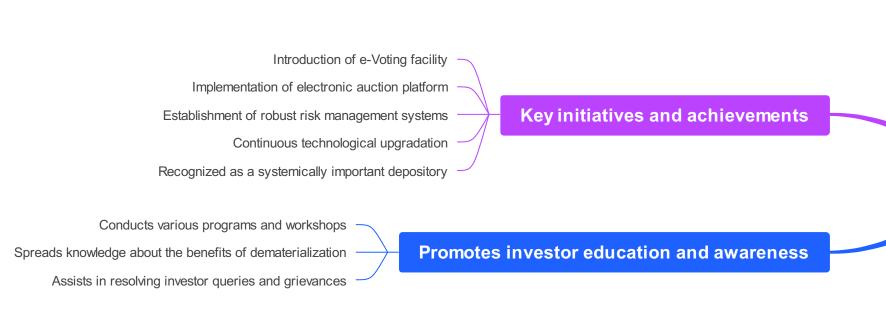


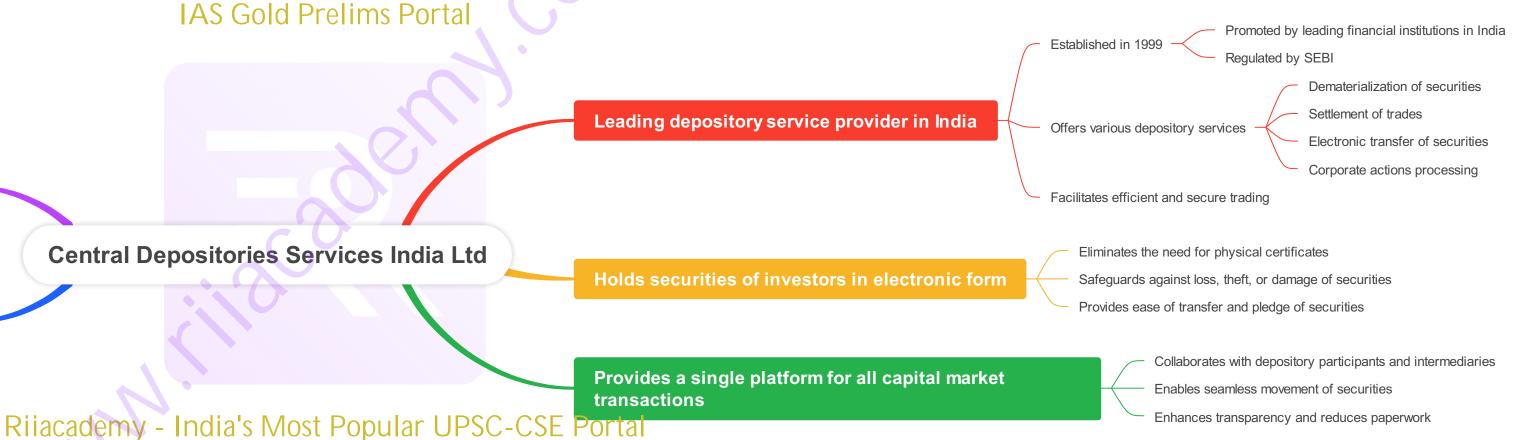


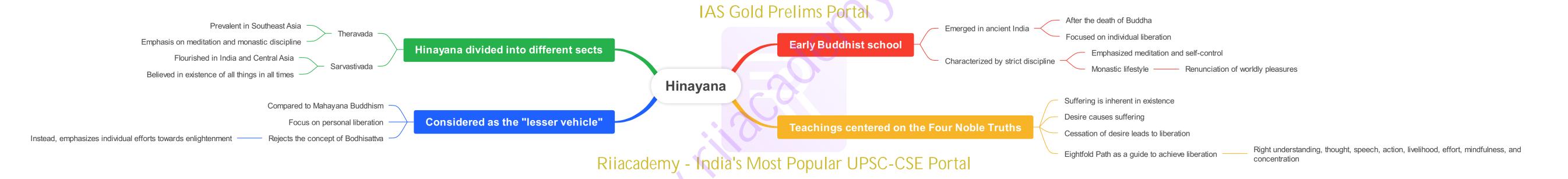


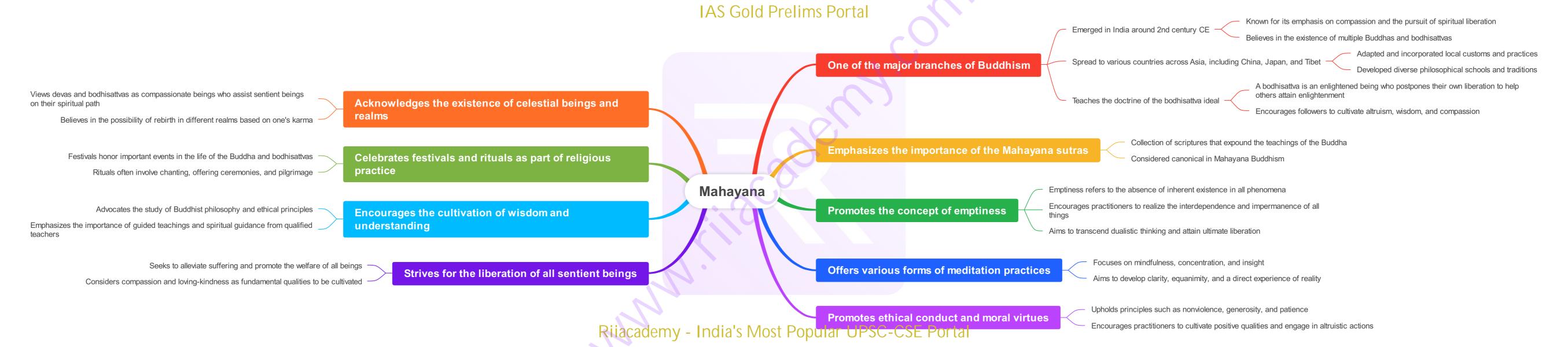


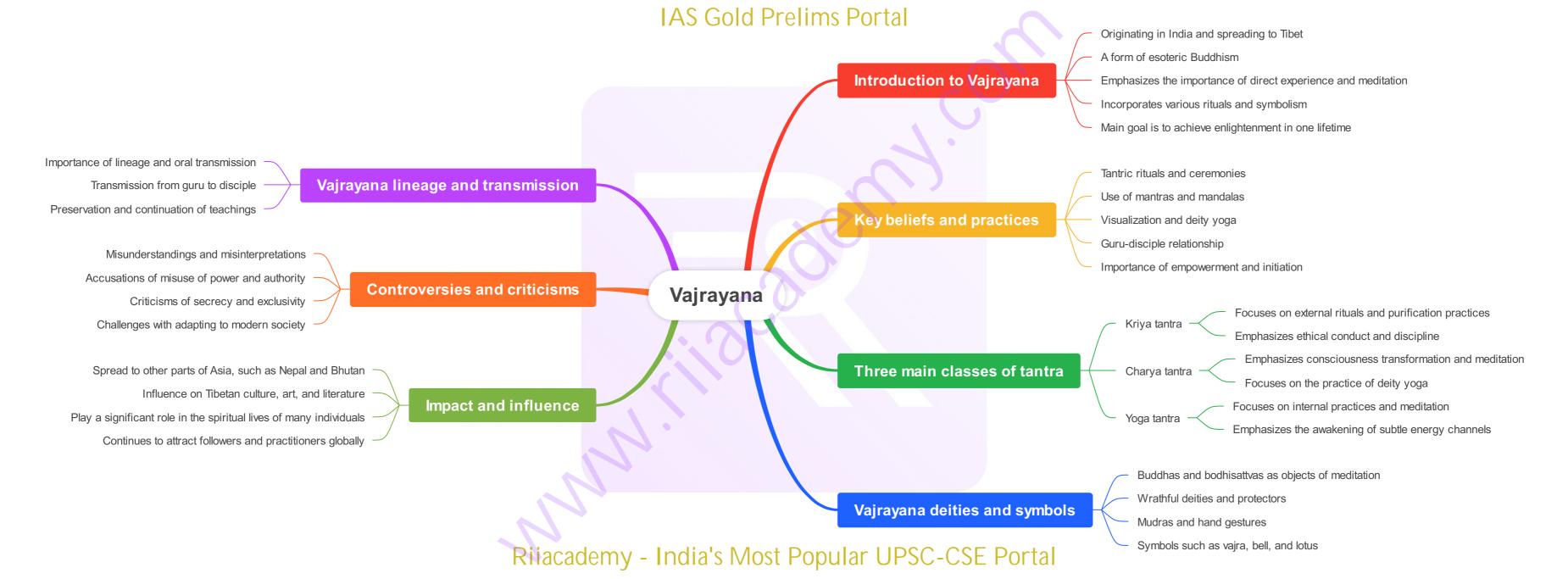


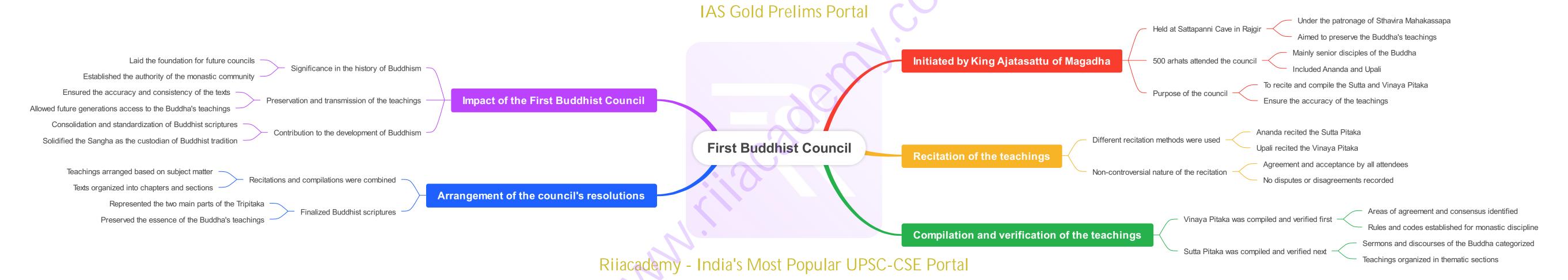


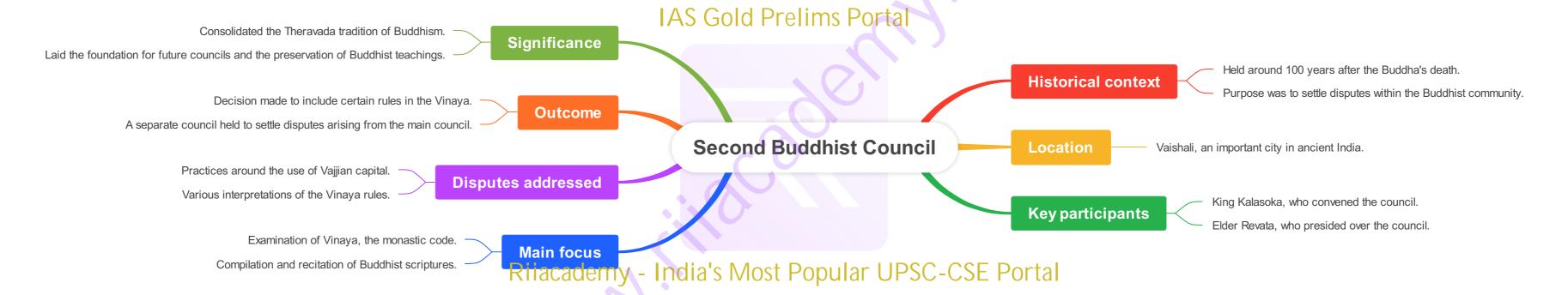


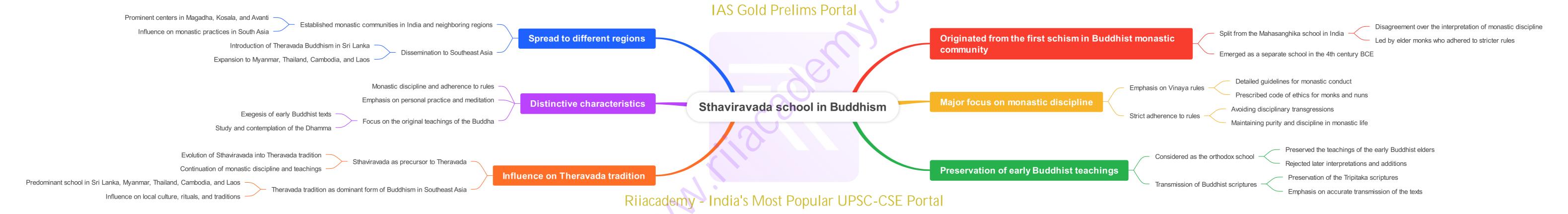


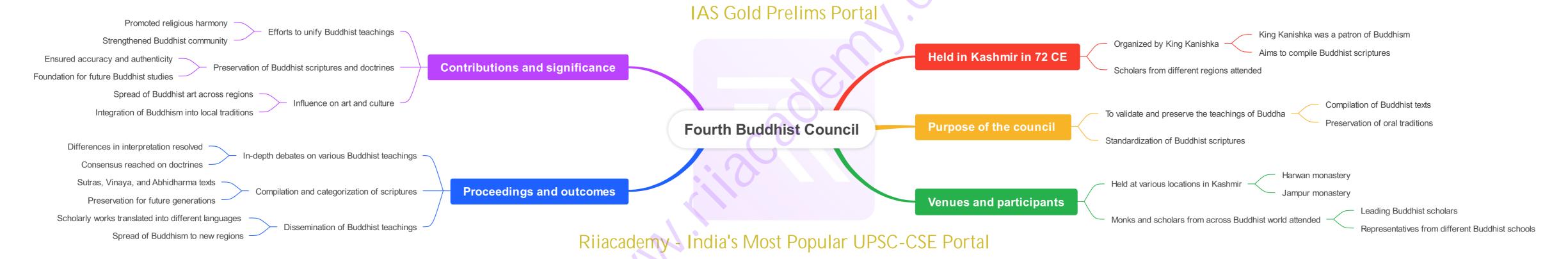


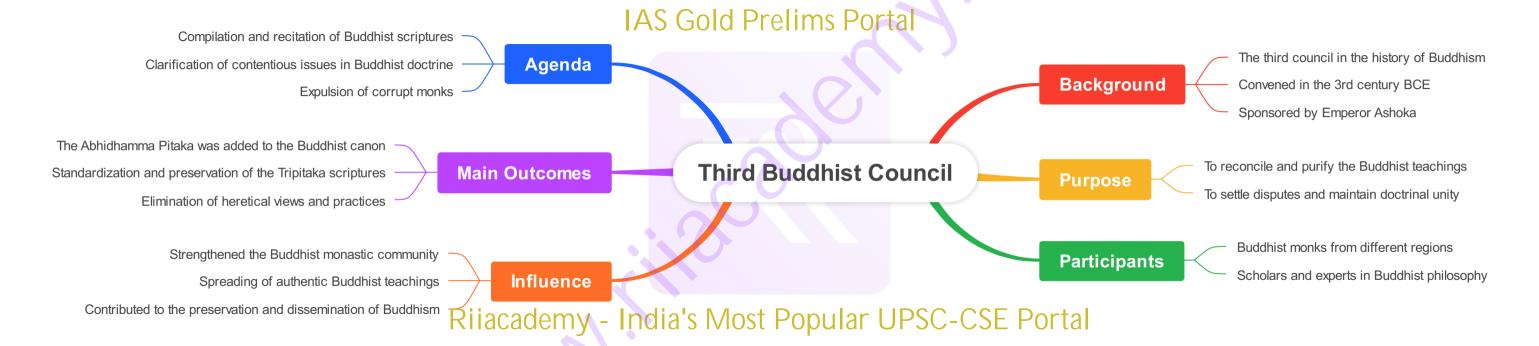


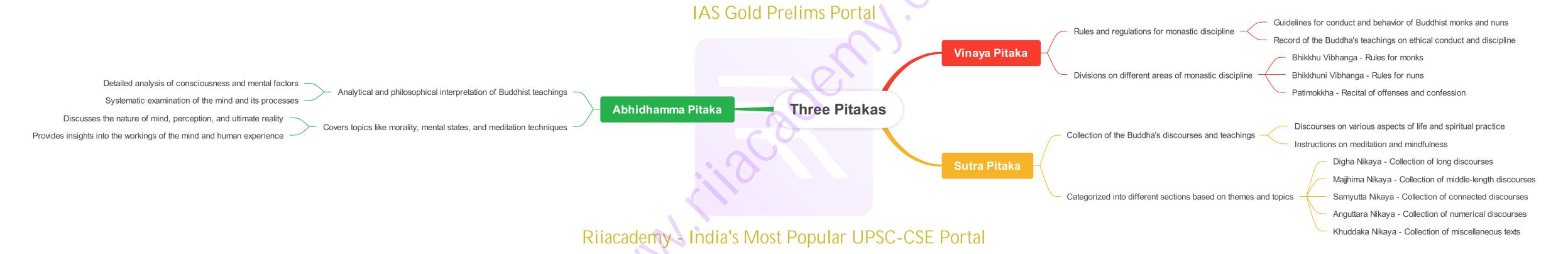


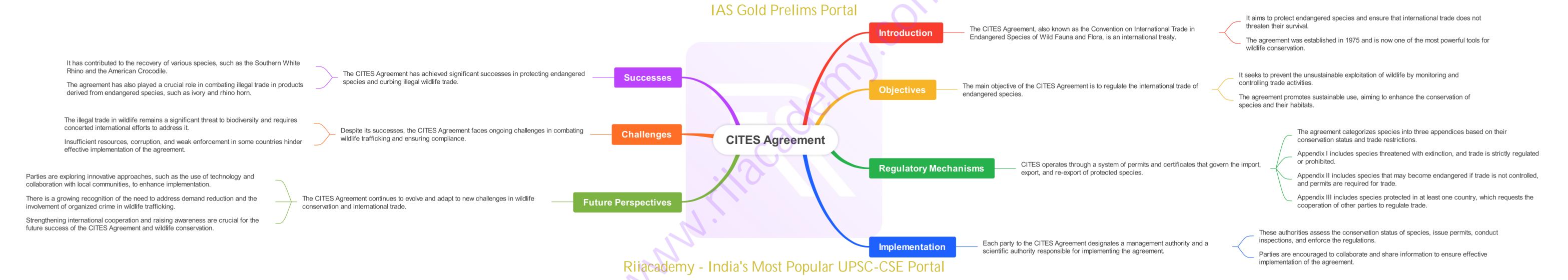


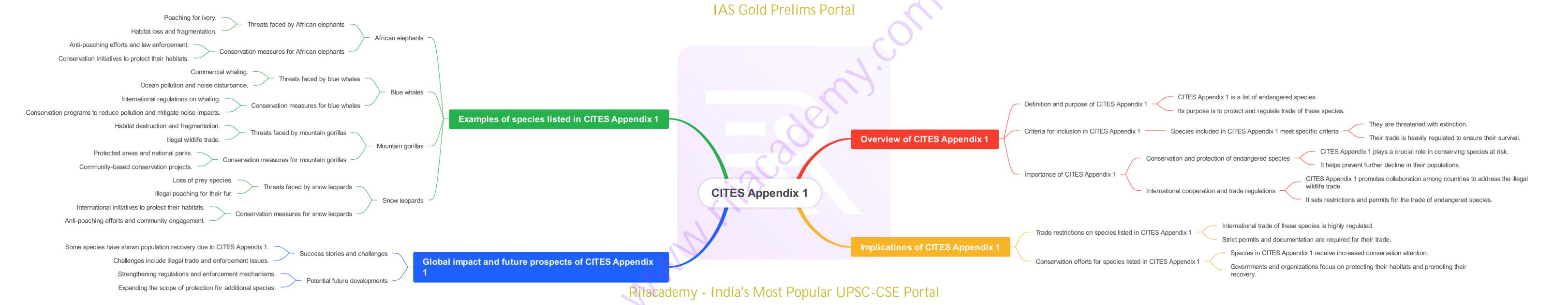


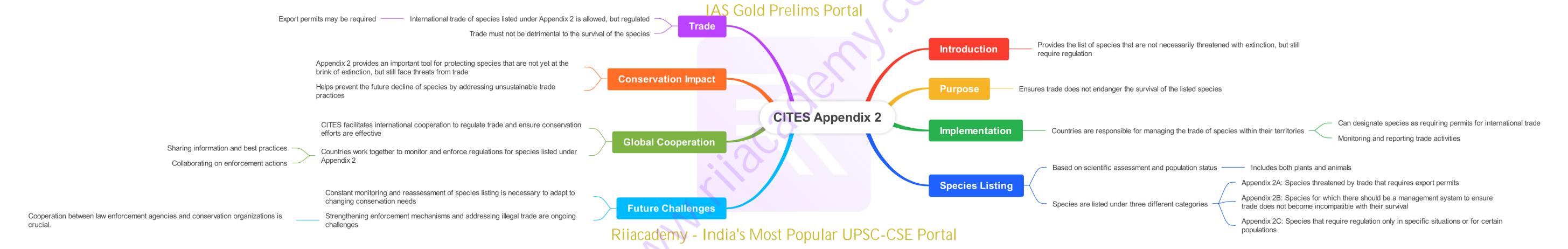


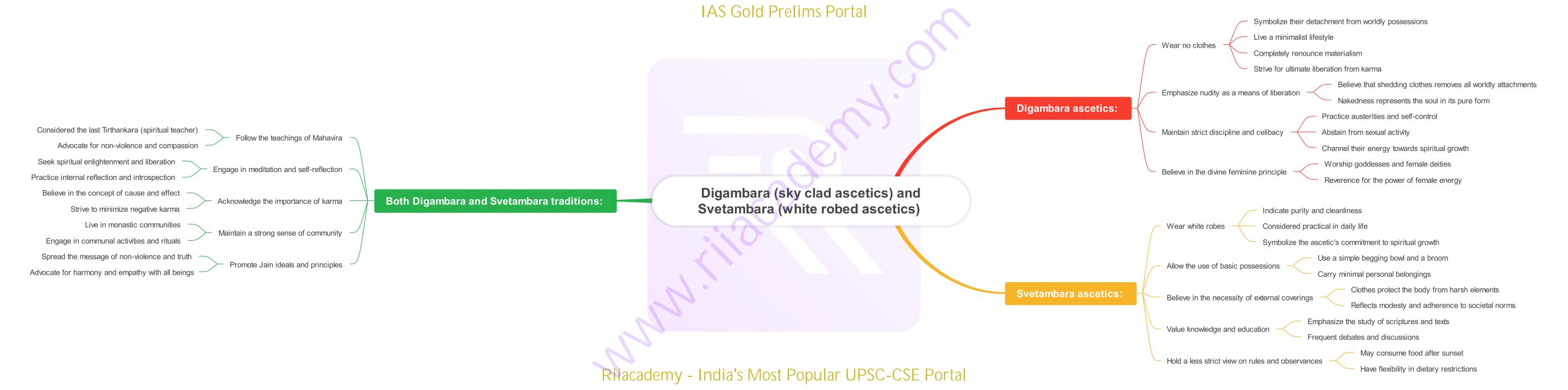


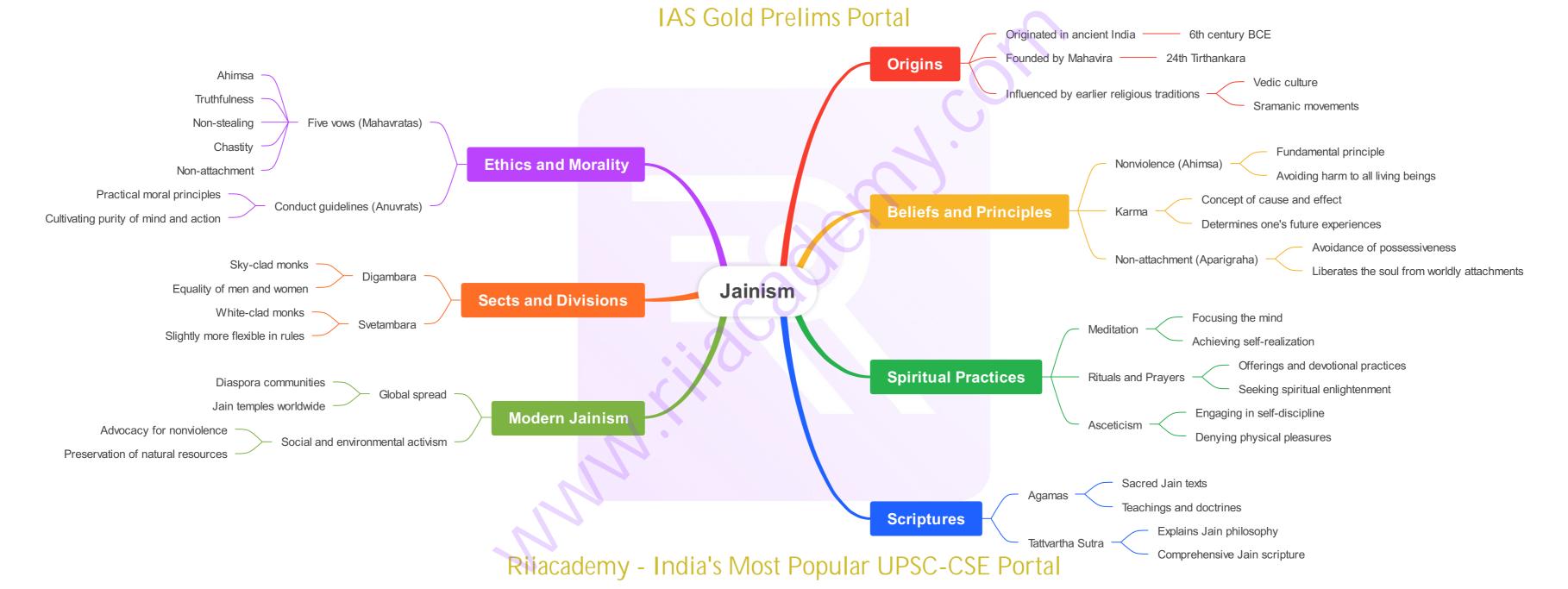


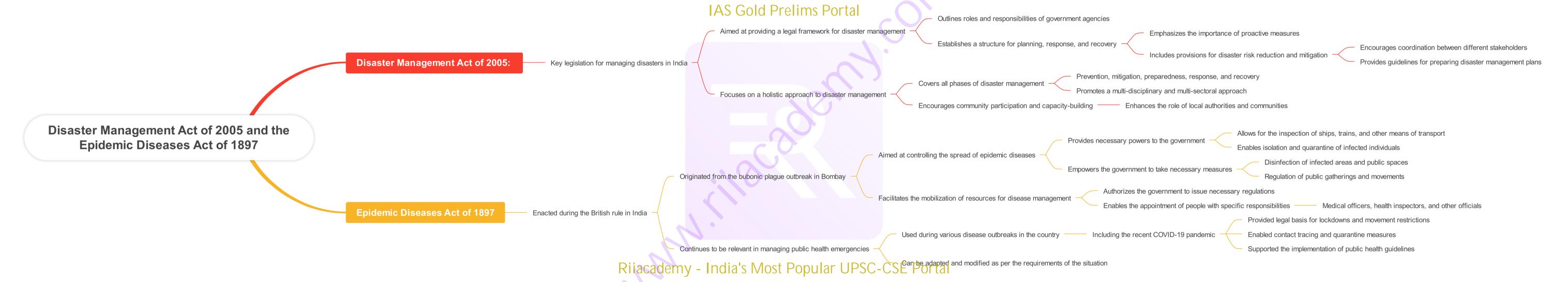


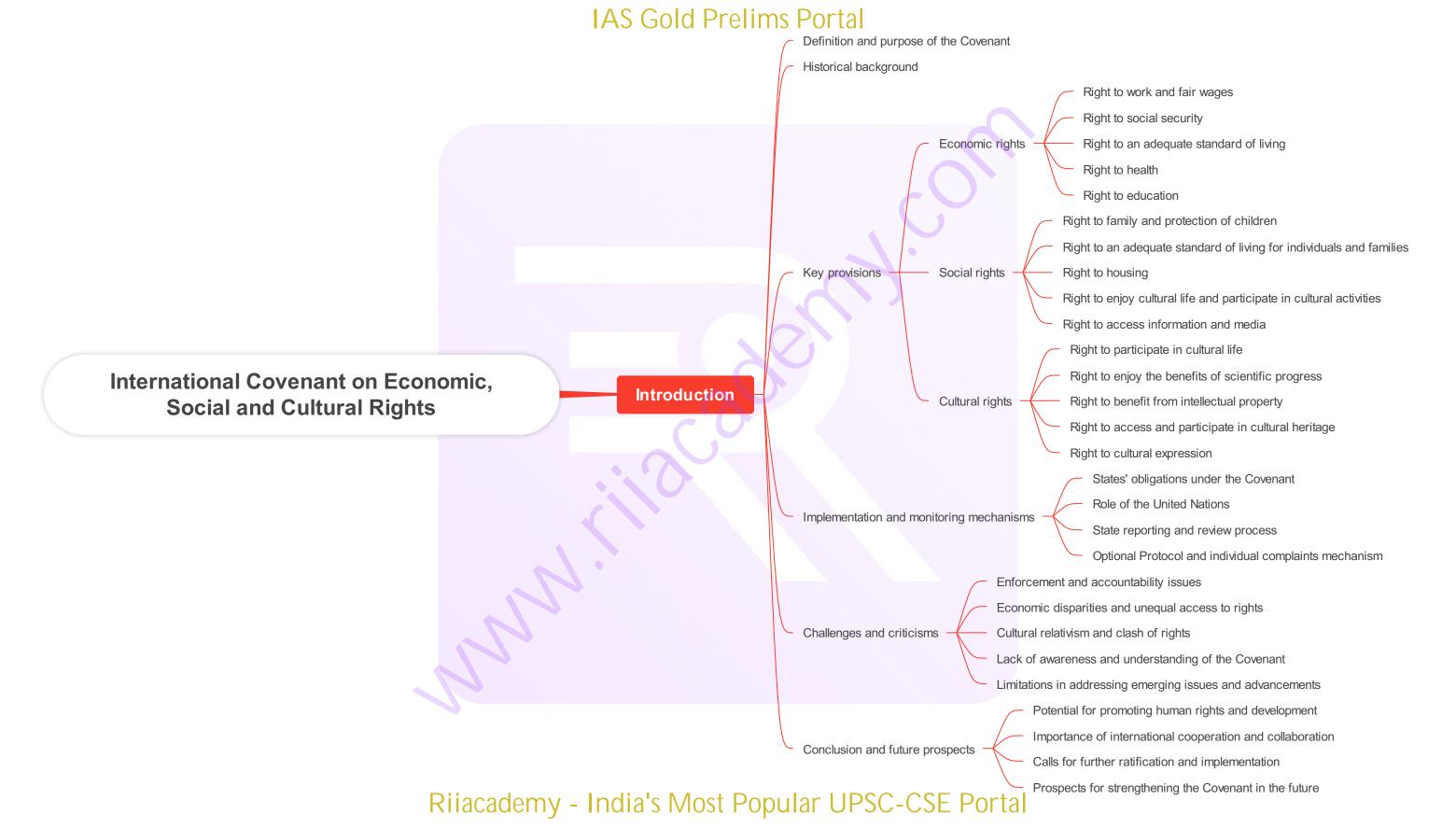












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It involves practicing asceticism, meditation, and introspection to detach oneself from the material world.

Through the process of renunciation, individuals strive to attain spiritual enlightenment and realize their true nature.

Mahabhinishkrama is not limited to a specific religion or belief system, as the quest for spiritual liberation transcends religious boundaries.

The concept is rooted in the belief that true happiness and fulfillment can only be achieved by renouncing transient worldly attachments.

Mahabhinishkrama serves as a reminder to detach ourselves from the materialistic pursuits that often cause suffering and dissatisfaction.

It encourages individuals to seek inner peace and contentment through spiritual practices and selfrealization.

In conclusion, Mahabhinishkrama is a concept that emphasizes the renunciation of worldly desires in pursuit of spiritual enlightenment, ultimately leading to liberation and transcendence. Mahabhinishkrama, also known as the Great Renunciation, is a concept in Hinduism.

It refers to the renunciation of worldly attachments and desires in pursuit of spiritual enlightenment.

This concept is often associated with the life of Lord Buddha, who renounced his royal life to seek ultimate truth.

The Great Renunciation is considered a significant milestone in one's spiritual journey.

It signifies the transcendence of mundane desires and the pursuit of higher consciousness.

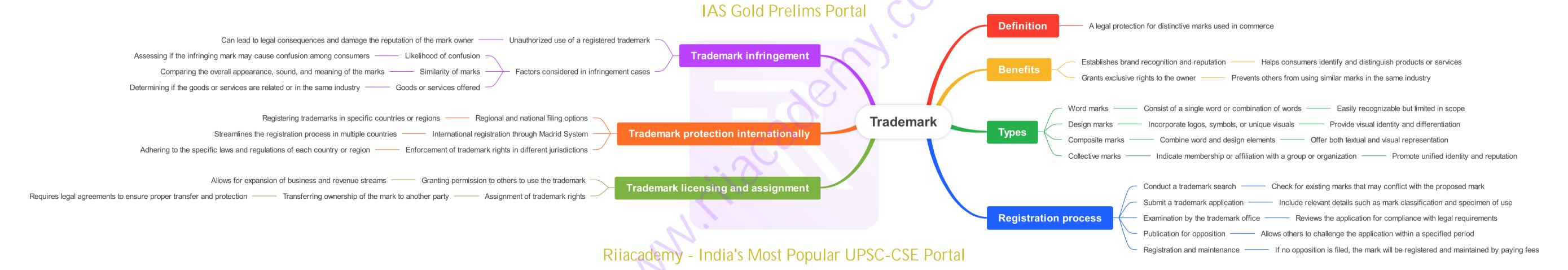
In the context of Mahabhinishkrama, renunciation involves detachment from material possessions and the relinquishment of ego.

By renouncing worldly attachments, one aims to attain spiritual liberation and freedom from the cycle of birth and death.

The path of Mahabhinishkrama requires discipline, self-control, and a deep understanding of the impermanence of worldly pleasures.

Mahabhinishkrama

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In summary, the Controller General of Patents, Designs, and Trademarks plays a crucial role in the protection and enforcement of intellectual property rights, including patents, designs, and trademarks. They are responsible for examining applications, granting rights, and ensuring legal protection for inventors, designers, and businesses.

The Controller General examines trademark applications for their distinctiveness and likelihood of confusion with existing trademarks.

The Controller General maintains a register of trademarks for easy identification and

Trademarks help consumers identify and distinguish the source of goods or services.

Trademarks build trust, reputation, and goodwill for businesses.

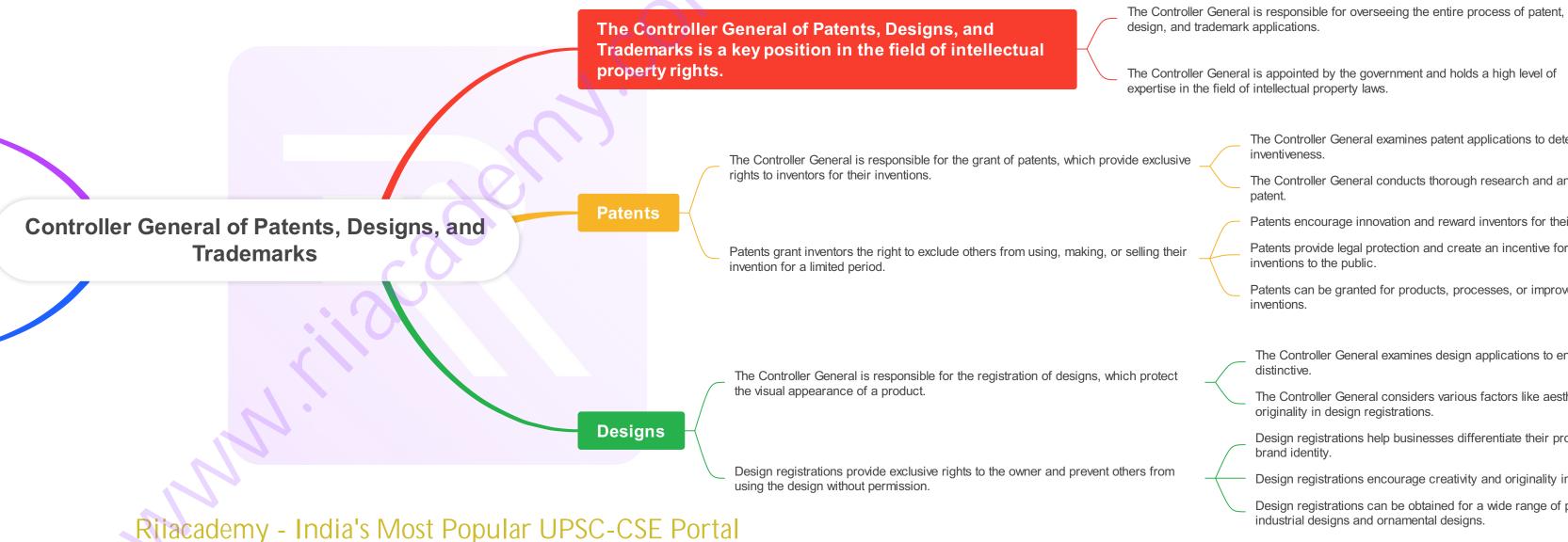
Trademark registrations can include words, logos, slogans, sounds, and even colors.

The Controller General is responsible for the registration of trademarks, which protect the identity and branding of goods and services.

Trademark registrations provide exclusive rights to the owner and prohibit others from using similar marks in the same industry.

Trademark infringement cases fall under the jurisdiction of the Controller General and are subject to legal proceedings.





The Controller General plays a crucial role in ensuring the protection and enforcement of intellectual property rights.

The Controller General is the ultimate authority for granting patents, registering designs, and trademark registrations.

The Controller General examines patent applications to determine their novelty and

The Controller General conducts thorough research and analysis before granting a

Patents encourage innovation and reward inventors for their contributions to society.

Patents provide legal protection and create an incentive for inventors to disclose their

Patents can be granted for products, processes, or improvements of existing

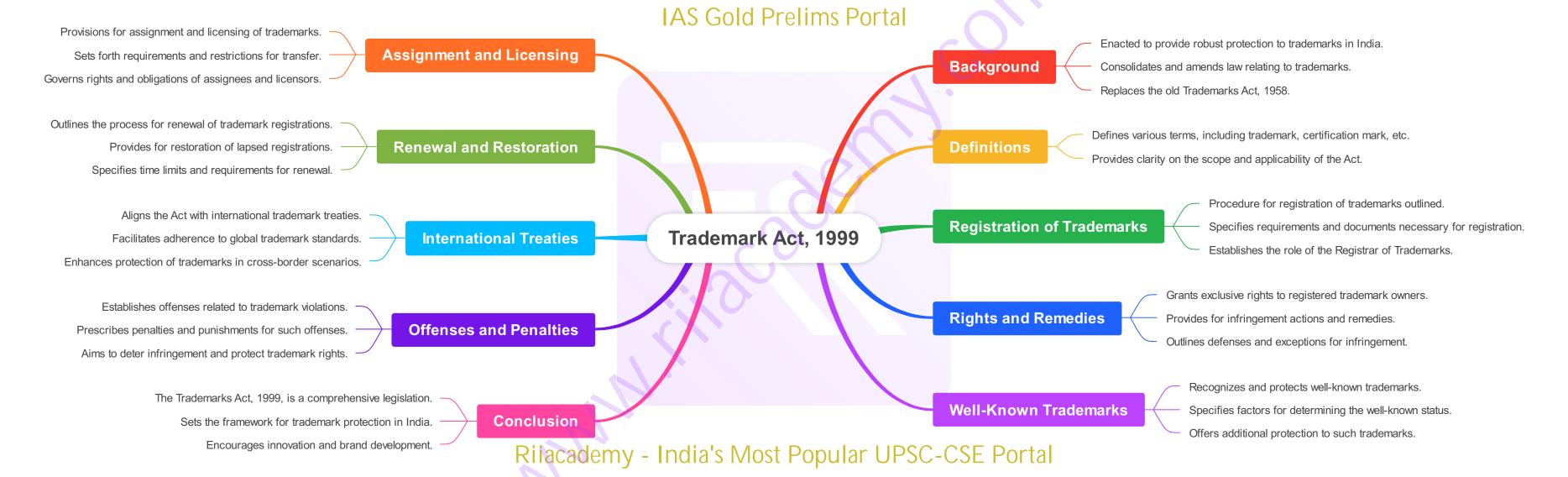
The Controller General examines design applications to ensure they are new and

The Controller General considers various factors like aesthetics, functionality, and

Design registrations help businesses differentiate their products and create a unique

Design registrations encourage creativity and originality in product design.

Design registrations can be obtained for a wide range of products, including



Buddhism emphasizes the importance of compassion, mindfulness, and moral conduct

The goal of Buddhism is the attainment of nirvana, a state of liberation from suffering and rebirth.

Buddhist practices include meditation, ethical living, and the study of Buddhist scriptures.

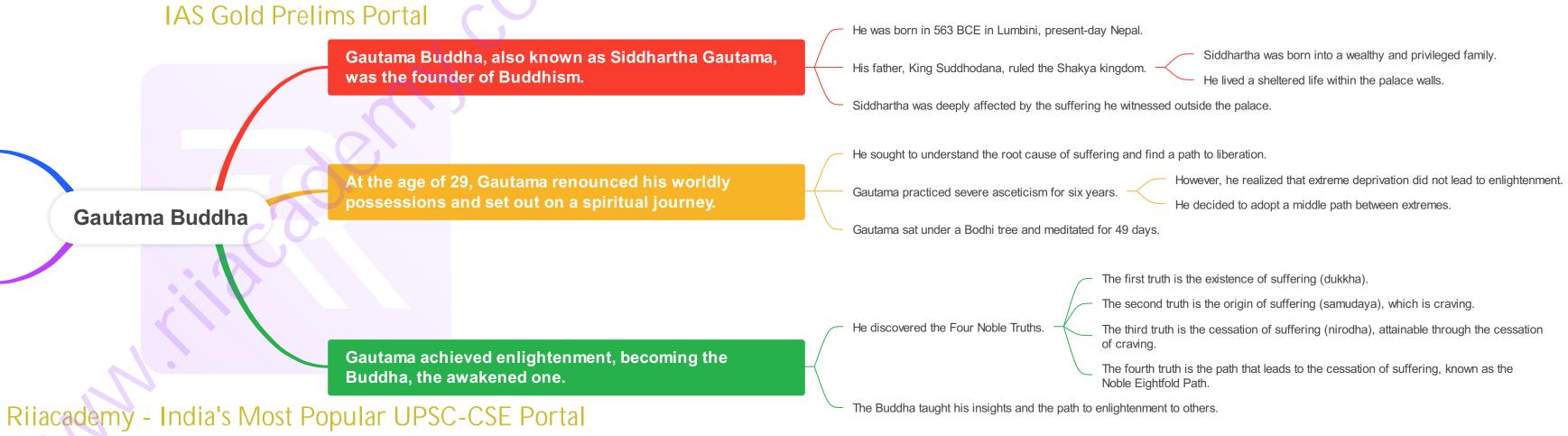
Buddhism influenced the development of various schools of thought and practices.

The Buddha's emphasis on personal experience and direct insight continues to inspire seekers of truth.

His teachings on compassion and non-violence have had an enduring influence on humanity.

The teachings of Gautama Buddha spread throughout Asia and continue to guide millions of people.

Gautama Buddha's teachings have had a profound impact on philosophy, spirituality, and society.



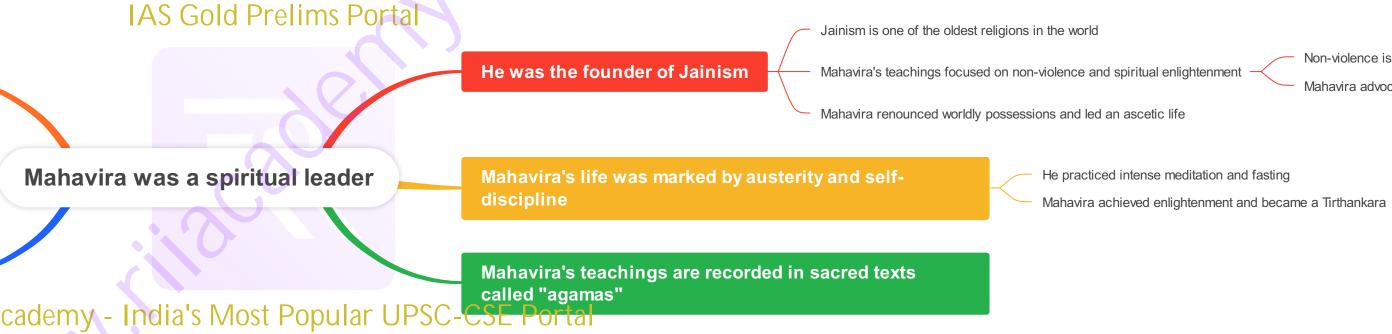
Jain temples and pilgrimage sites are dedicated to the worship and commemoration of Mahavira.

Mahavira's philosophy continues to inspire millions of followers worldwide

According to Jainism, liberation from the cycle of birth and death can be attained through self-realization and detachment

The principle of karma states that every action has consequences and affects one's

Jainism emphasizes the idea of karma and the cycle of birth and death



Non-violence is a key principle in Jainism

Mahavira advocated for the protection and care of all living beings

AT1 bonds have a loss-absorption mechanism, which allows for the conversion or write-down of the bonds' principal in case of a specified trigger event.

This mechanism helps protect taxpayers and other stakeholders in case of a bank's distress.

Loss-absorption mechanism

Market trends and outlook

Risks

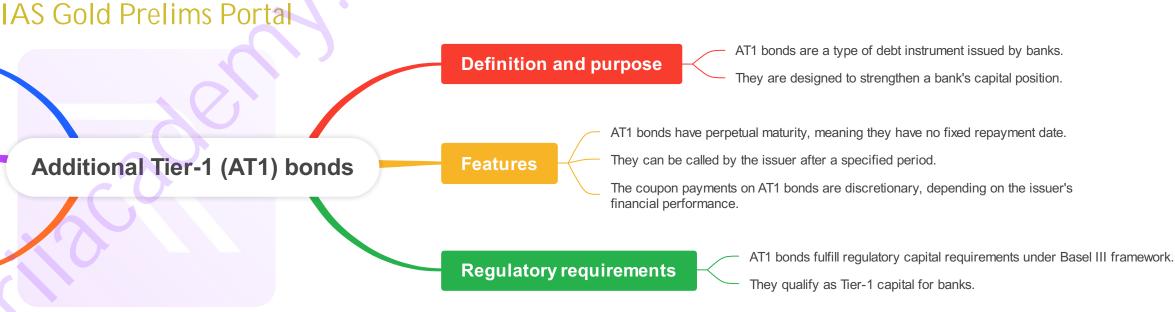
AT1 bonds carry higher risks compared to other debt instruments.

Investors may face losses if the issuer experiences financial difficulties.

The market for AT1 bonds has grown in recent years, with increased issuance from banks.

Investor demand for higher-yielding instruments has contributed to the popularity of AT1 bonds.

Regulatory changes and evolving market conditions can impact the outlook for AT1 bonds.



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Price of the underlying asset: Higher asset prices increase the value of call options.

Volatility: Higher volatility leads to higher option prices, as it increases the likelihood of large price movements.

Time to expiration: Longer expiration periods increase the value of call options.

Interest rates: Higher interest rates decrease call option prices.

Dividends: Higher dividend payouts decrease call option prices.

Long call: Buying a call option with the expectation of the underlying asset's price increasing.

Covered call: Selling a call option while holding the underlying asset to generate income from the premium.

Bull call spread: Combining a long call option with a short call option at a higher strike price to limit potential losses and costs.

Protective call: Buying a call option as insurance against a potential decline in the value of long positions.

Limited lifespan: Call options expire, and if the underlying asset's price doesn't reach the strike price, the option becomes worthless.

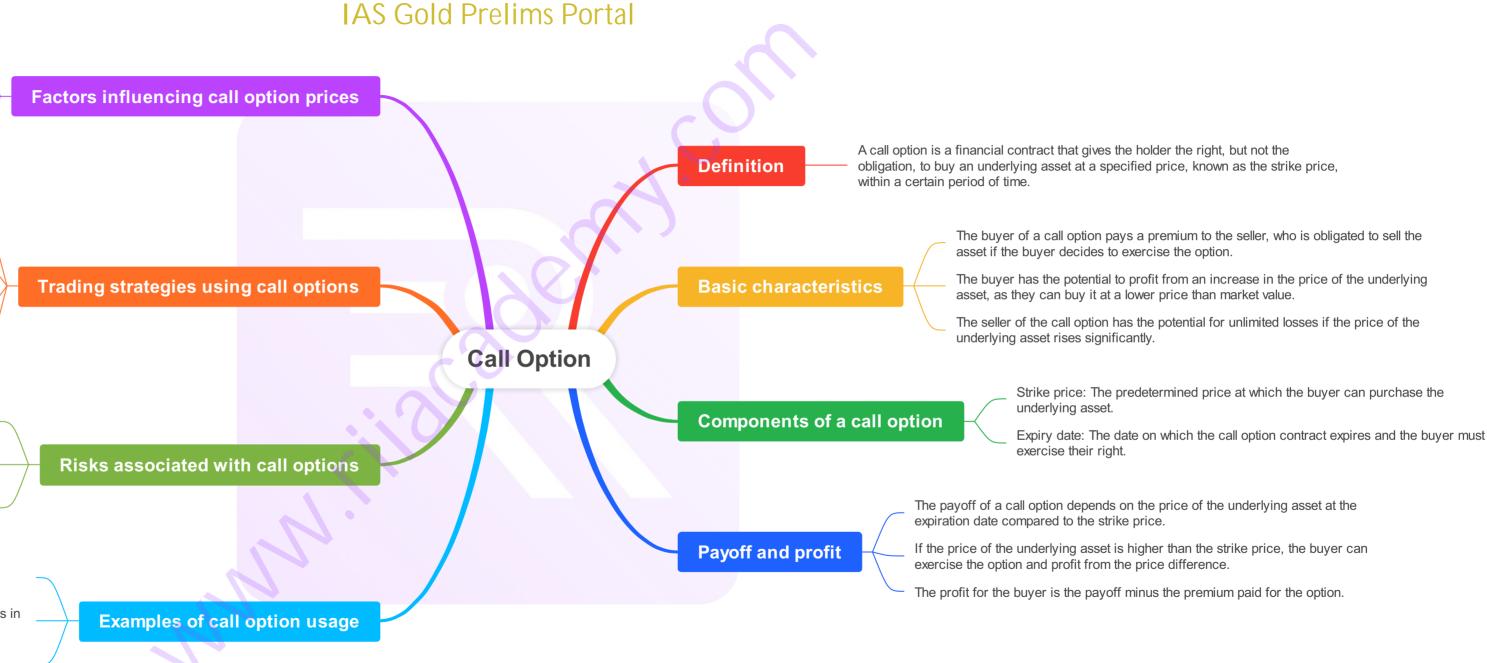
Potential loss of premium: If the call option is not exercised, the buyer loses the premium paid.

Market volatility: Rapid price movements can result in significant losses for both buyers and sellers of call options.

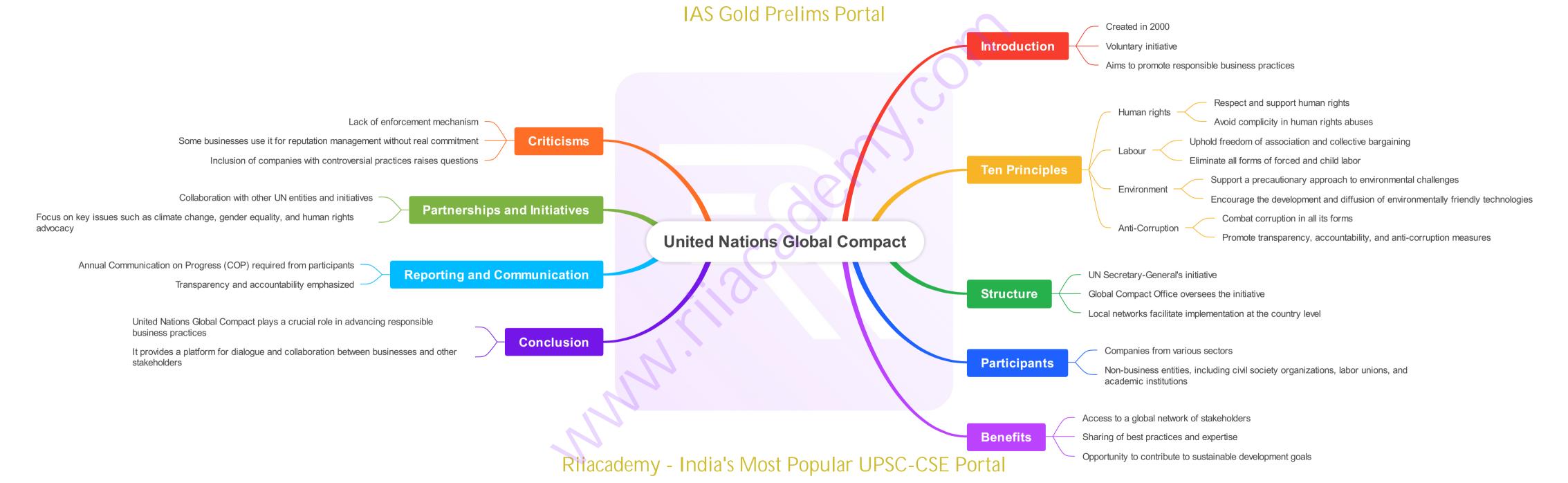
Speculation on price appreciation: Traders can use call options to profit from anticipated price increases in stocks or other assets.

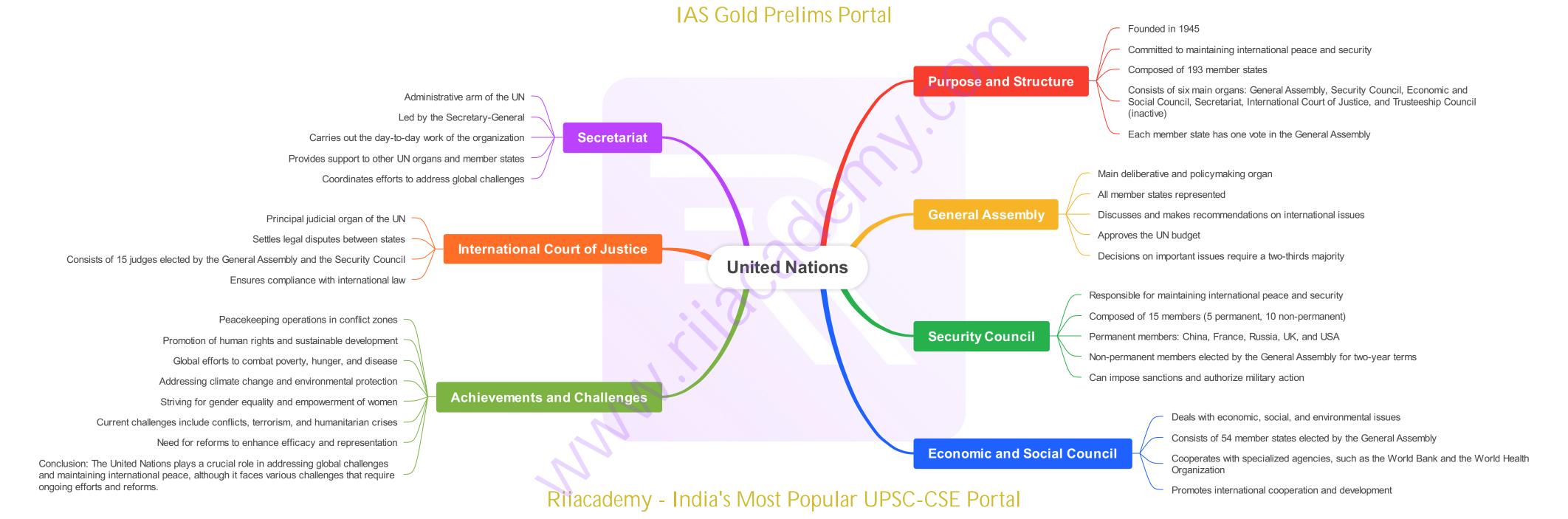
Risk management: Investors can use call options to hedge against potential losses in their investment portfolios.

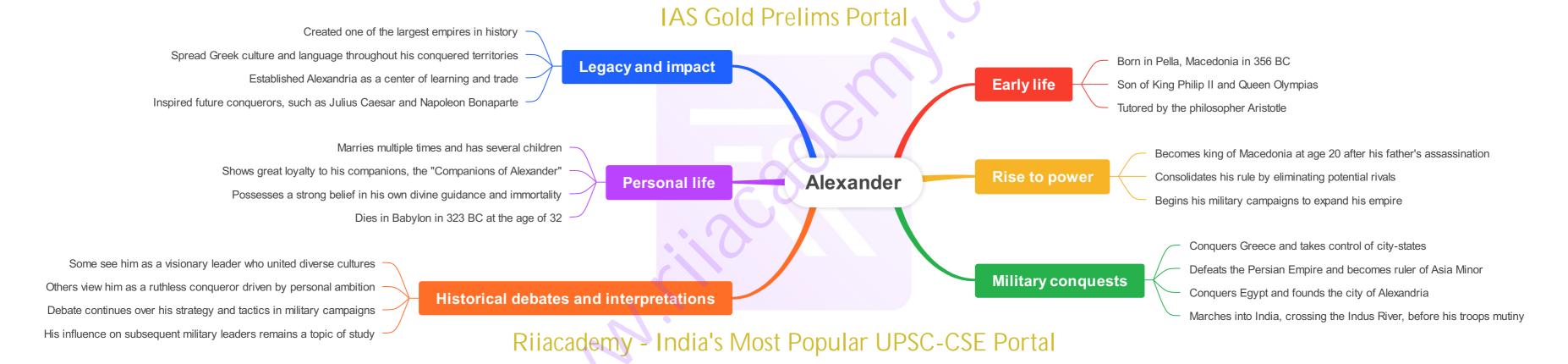
Income generation: Selling call options can provide income for investors who are willing to sell their stocks at certain prices.



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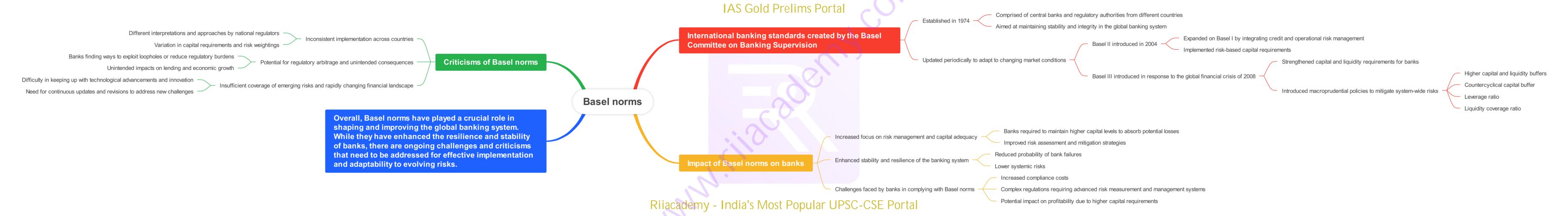


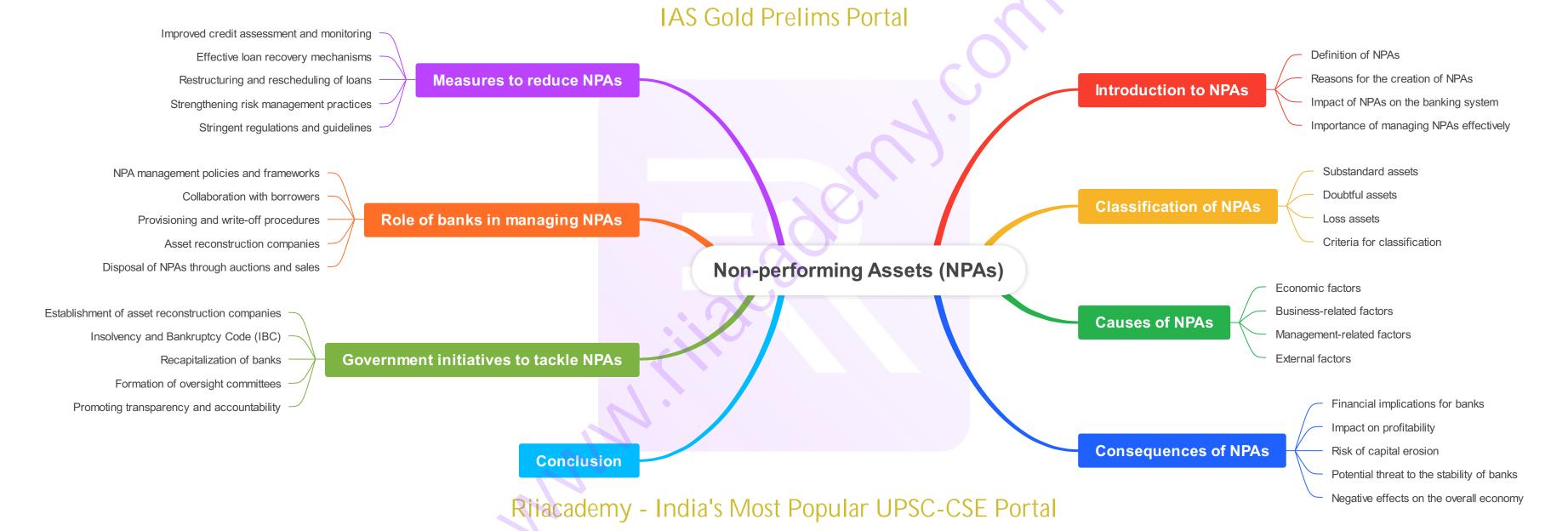


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Invasion of Persia marked a major turning point in Alexander's campaign

Invasion of Alexander undergone numerous battles and conquests

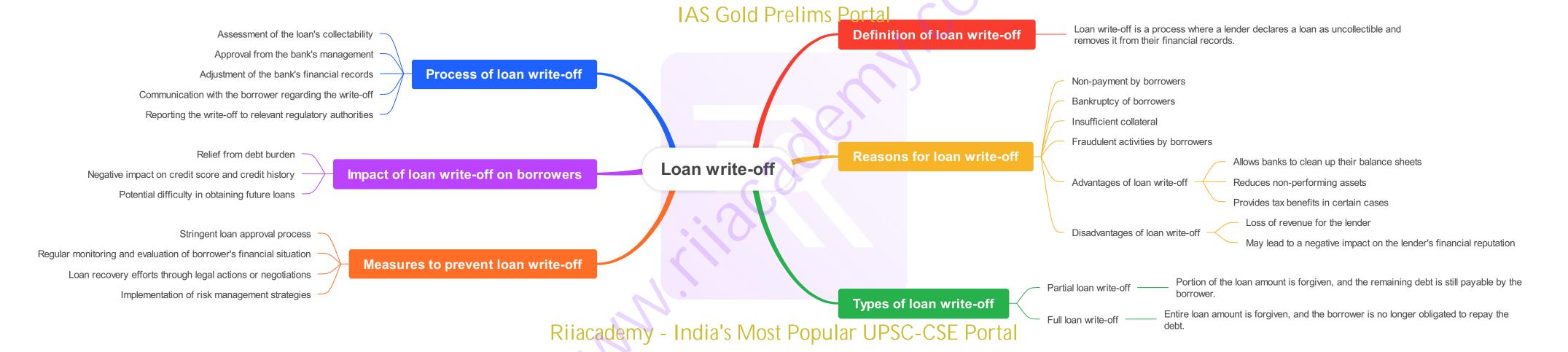
Battle of Granicus was the first major battle -Established his dominance over Anatolia Alexander defeated the Persian king Darius III Battle of Issus was a significant battle in the invasion Gained control over Syria and Phoenicia Alexander laid siege to the island city for several months Siege of Tyre was a notable event during the invasion — Eventually captured and destroyed Tyre Alexander defeated Darius III once again Battle of Gaugamela was a decisive battle Established his rule over Babylon and Mesopotamia Alexander faced King Porus and his army Battle of Hydaspes was a significant clash Emerged victorious, but faced increased resistance Alexander captured several cities and regions Campaign in the Indus Valley led to further conquests Extended his empire to the easternmost borders Exhausted and facing dissent among his troops Return journey marked the end of the invasion Alexander decided to turn back towards Persia

Alexander led his army to victory against the Persian forces

Invasion of Alexander reshaped the political landscape of the ancient world.

Invasion of India expanded Alexander's empire further

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It involves understanding public opinion, engaging with stakeholders, and managing

Political Strategos aim to achieve political objectives and gain popular support.

Diplomatic Strategos involves negotiating and maintaining favorable relationships with It includes promoting national interests, resolving conflicts, and forging alliances.



- Political Strategos focuses on developing effective policies and campaigns. -Strategos plays a significant role in political and diplomatic strategies as well.

> In summary, Strategos can be seen as a multifaceted concept that encompasses military, business, political, and diplomatic strategies. It involves strategic planning, leadership, and decision-making to achieve desired outcomes in different domains.

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Strategos

The term "Strategos" refers to a high-ranking military officer in ancient Greece.

The concept of Strategos has evolved over time and

has been adapted in various contexts.

Strategos were responsible for planning and executing military strategies.

The title of Strategos was held by influential leaders like Pericles and Alexander the

They had a key role in leading armies and ensuring victory in battles.

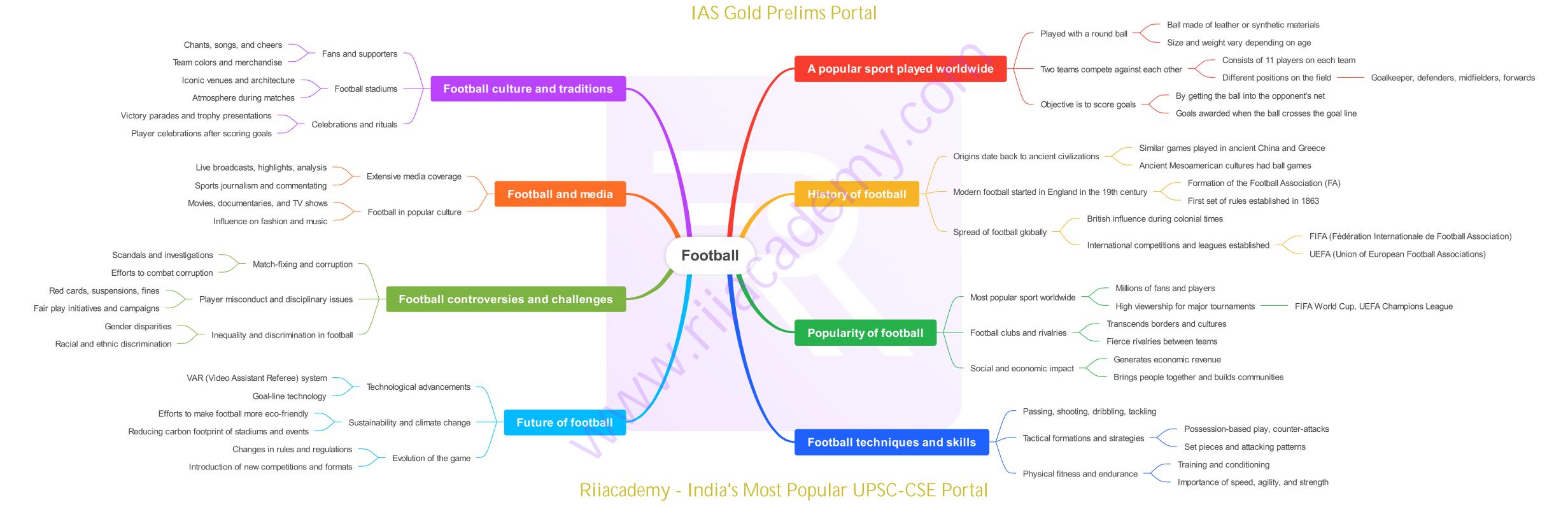
Their main focus was on coordinating troops, logistics, and tactics.

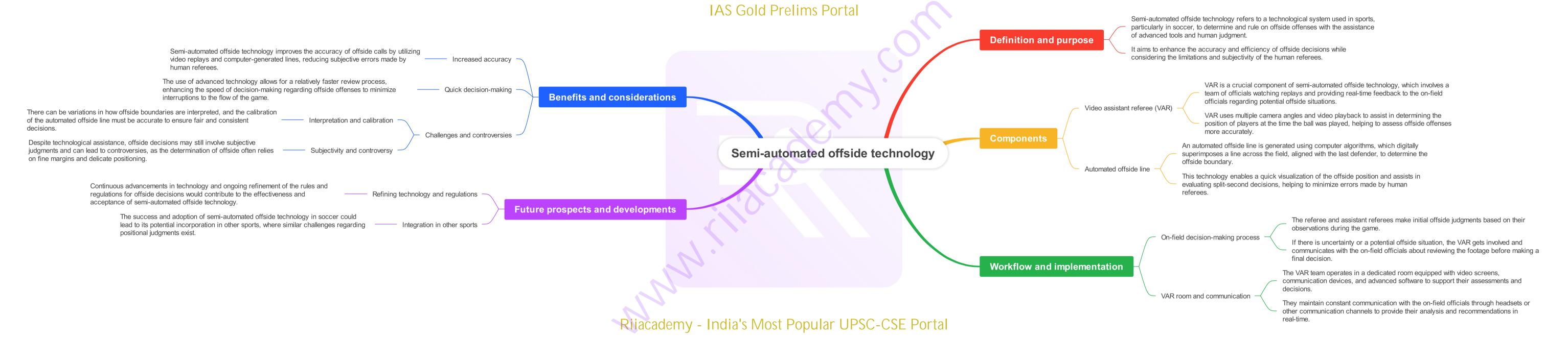
In modern business, Strategos refers to strategic leadership and management.

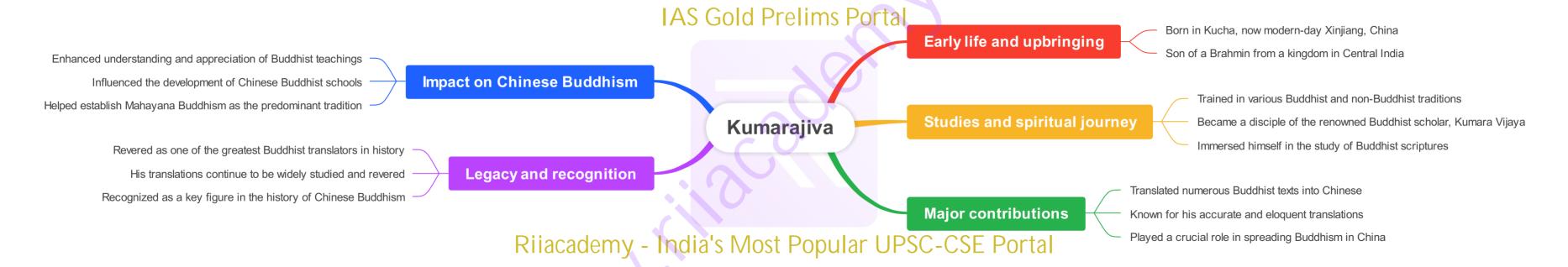
The role of a Strategos in business is to guide and steer the organization towards

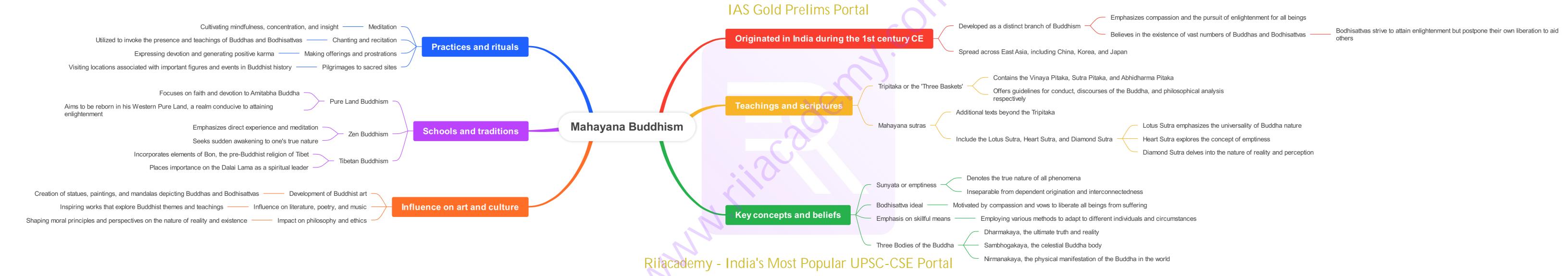
It involves setting goals, formulating plans, and making critical decisions.

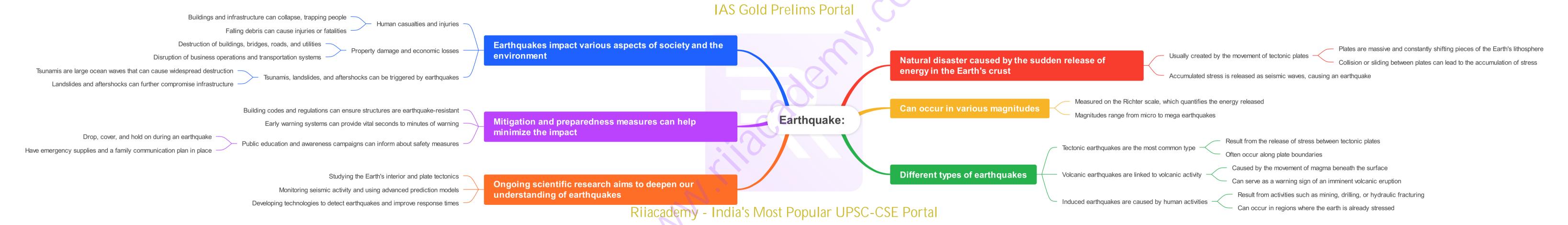
Strategos also encompasses analyzing market trends, competition, and risk

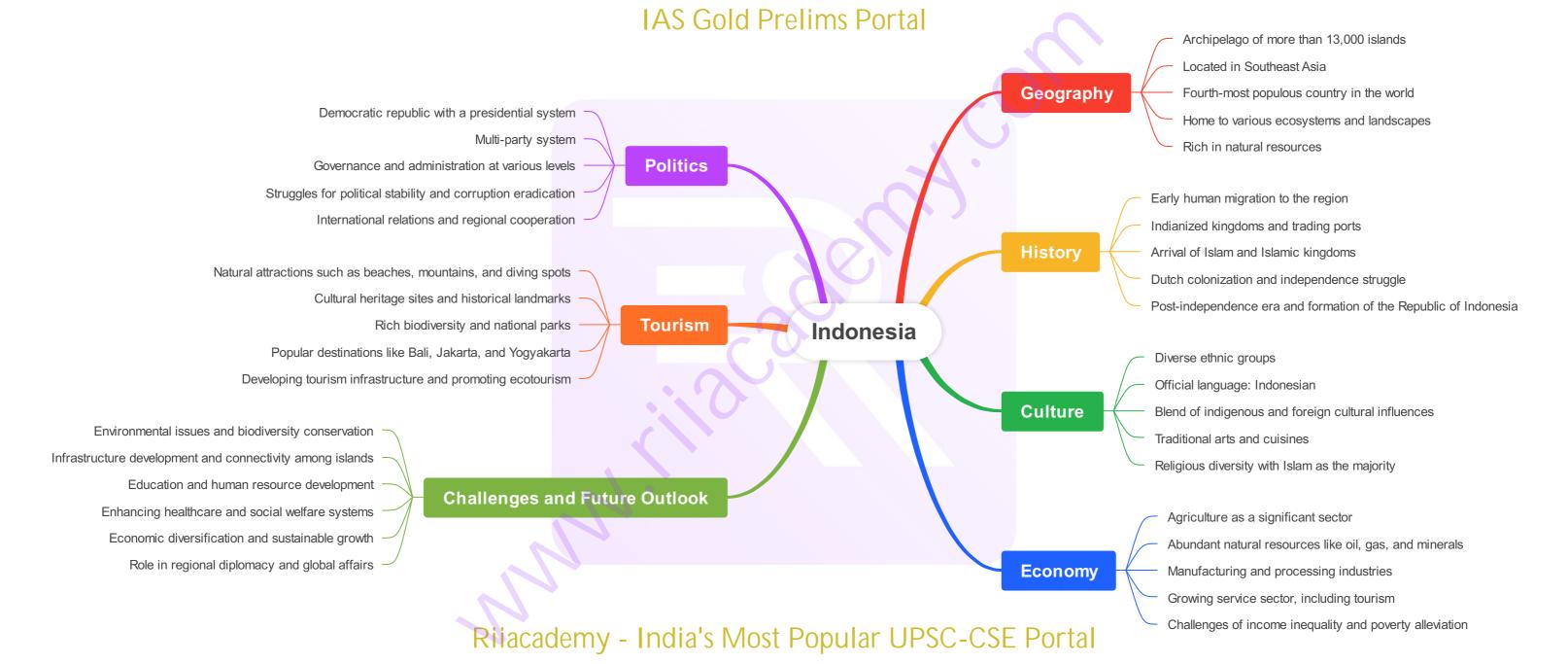














The Greco-Bactrian Kingdom embraced both Greek and indigenous traditions and customs.

Greek was the official language of the administration, but Bactrian and other local languages were also spoken.

The kingdom was known for its vibrant art, architecture, and literature.

The Greco-Bactrian Kingdom had extensive contacts with the Maurya Empire in India

There were diplomatic exchanges and intermarriages between the two kingdoms.

These interactions contributed to the spread of Hellenistic culture in the Indian subcontinent

Internal conflicts and external pressures gradually weakened the Greco-Bactrian Kingdom.

The Indo-Scythians eventually overran the kingdom and established their own rule.

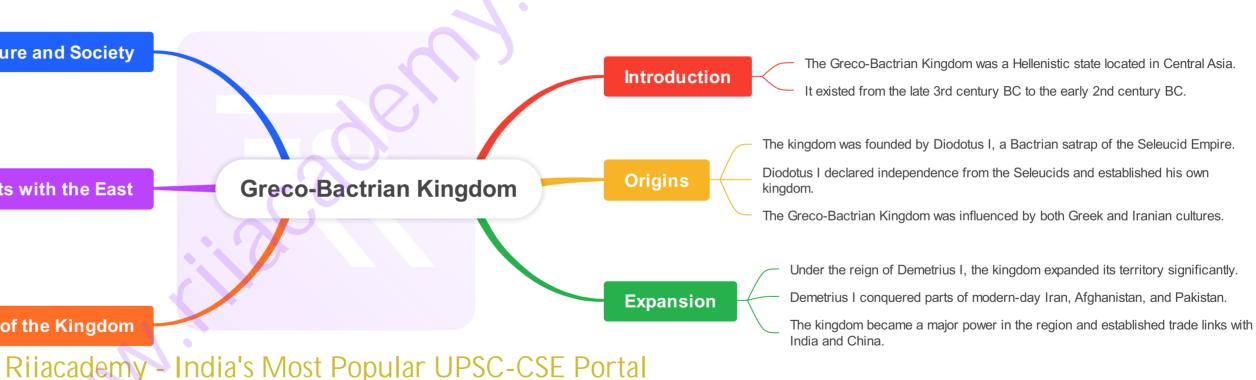
The fall of the kingdom marked the end of Greek presence in Central Asia.

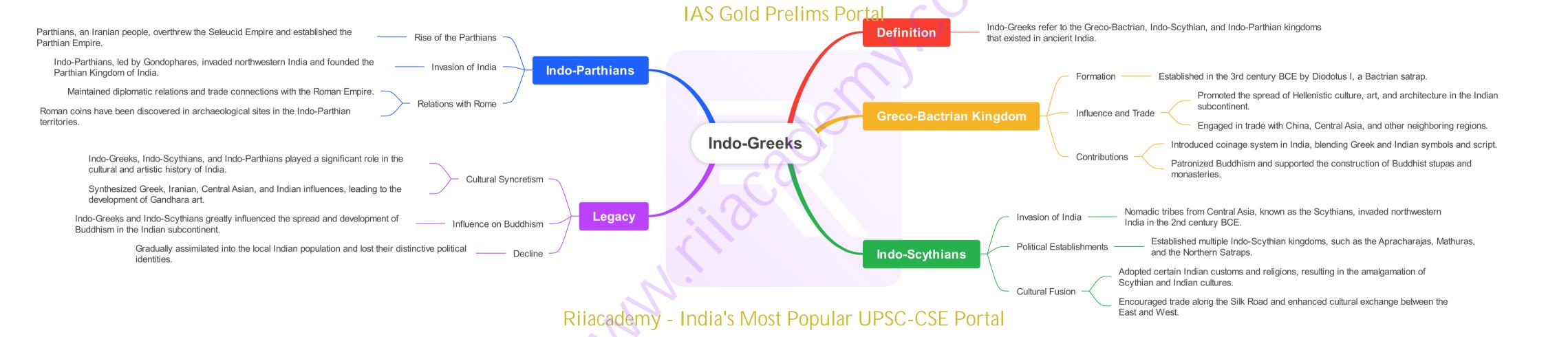
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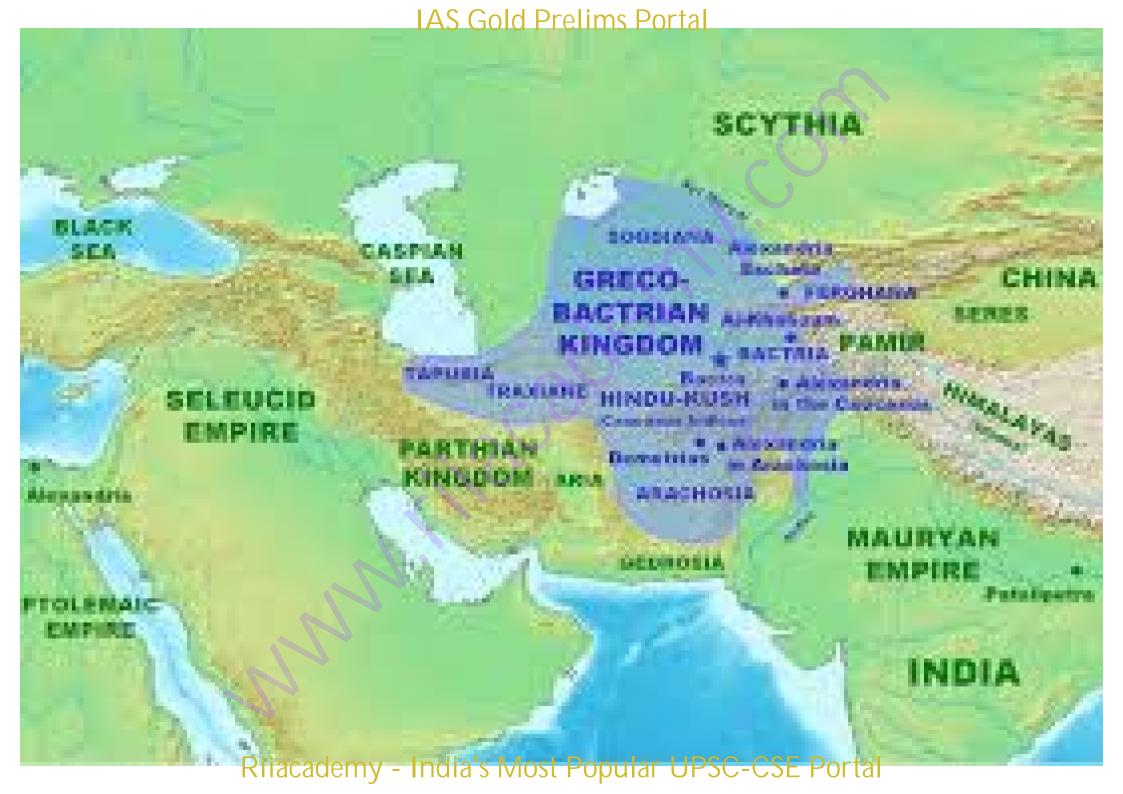
Culture and Society

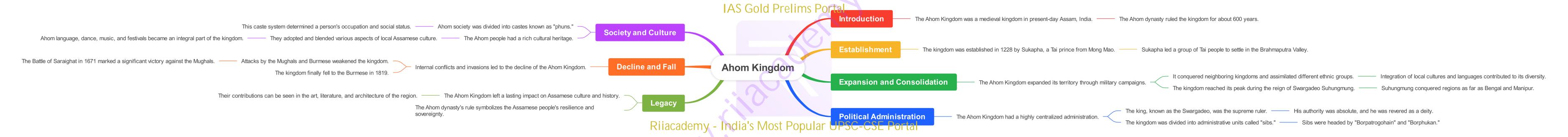
Contacts with the East

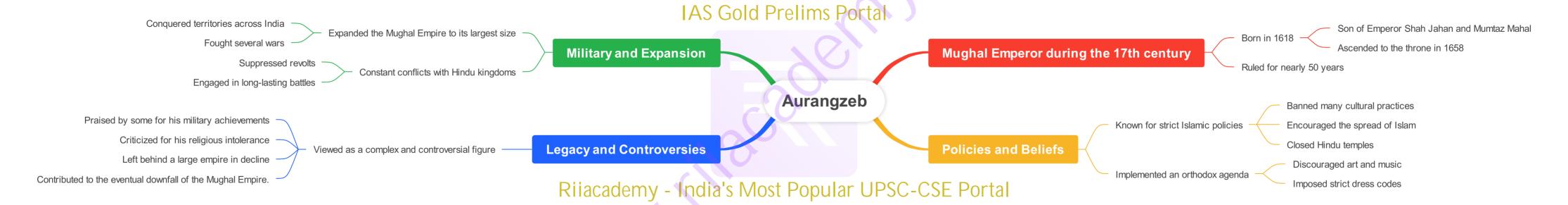
End of the Kingdom

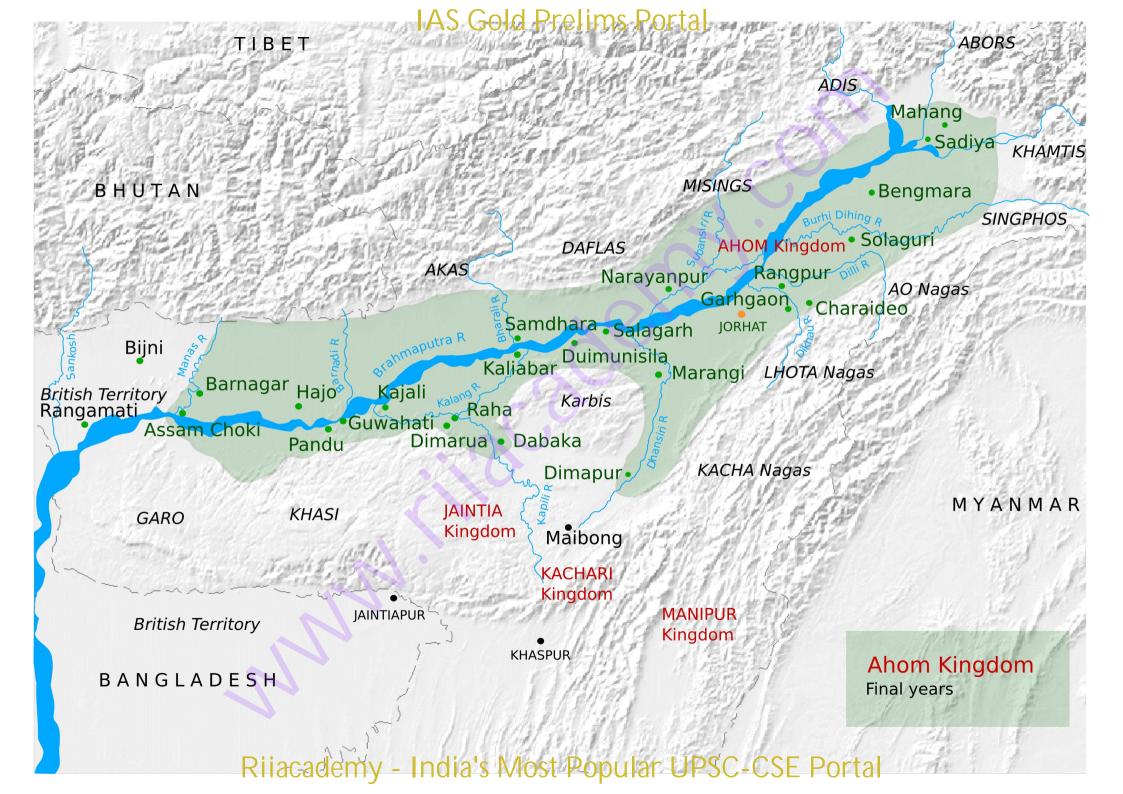


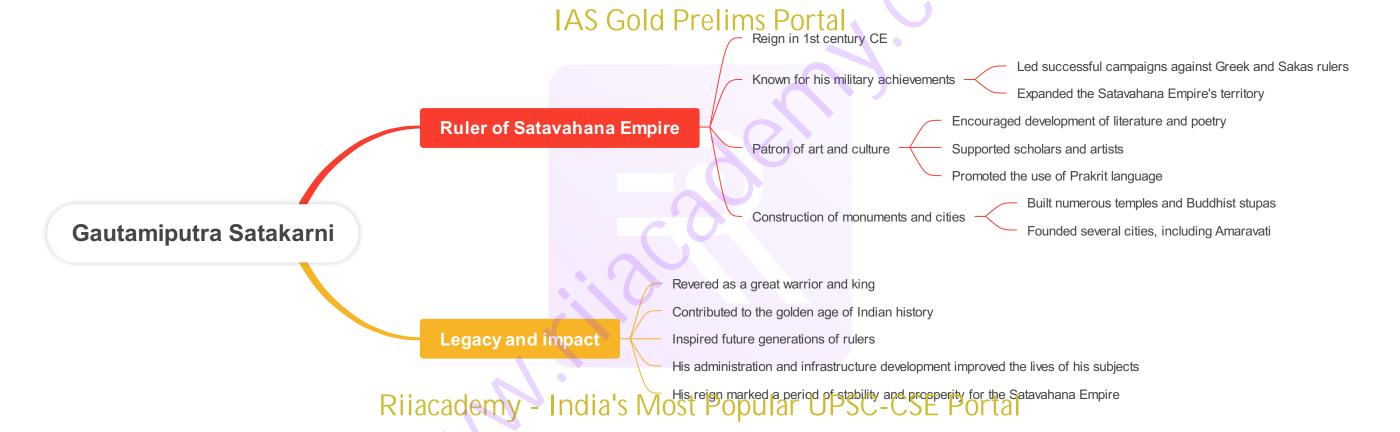


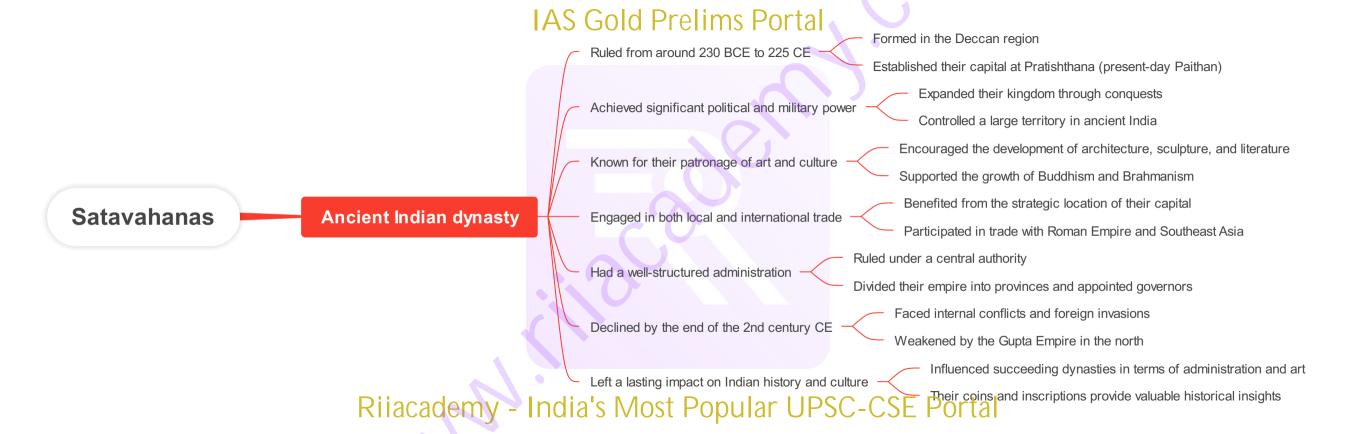






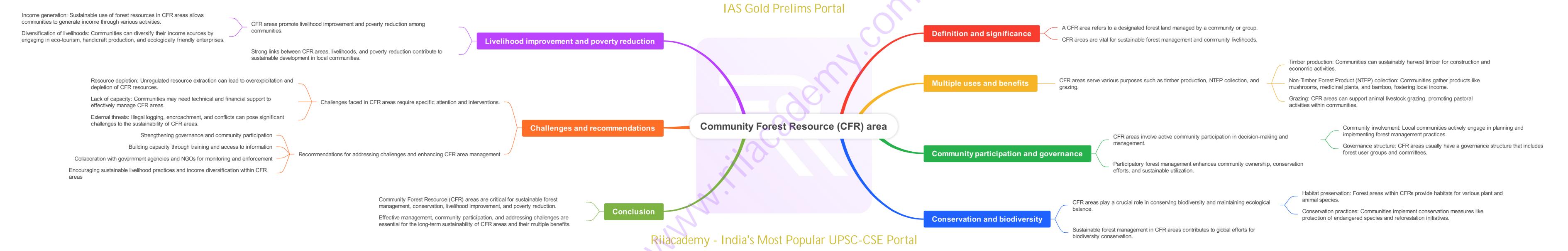




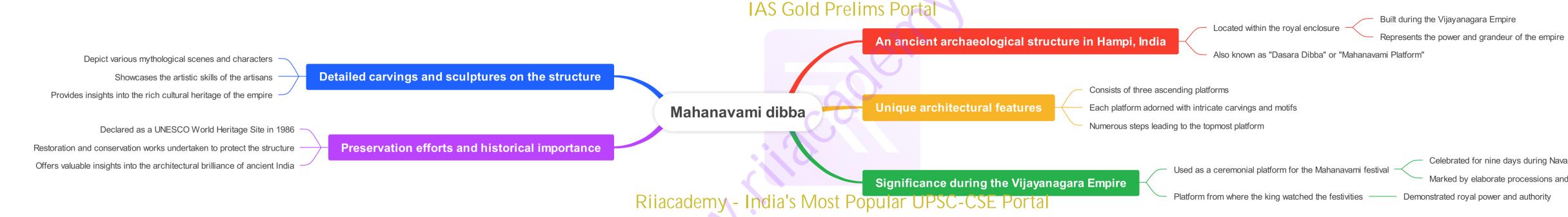


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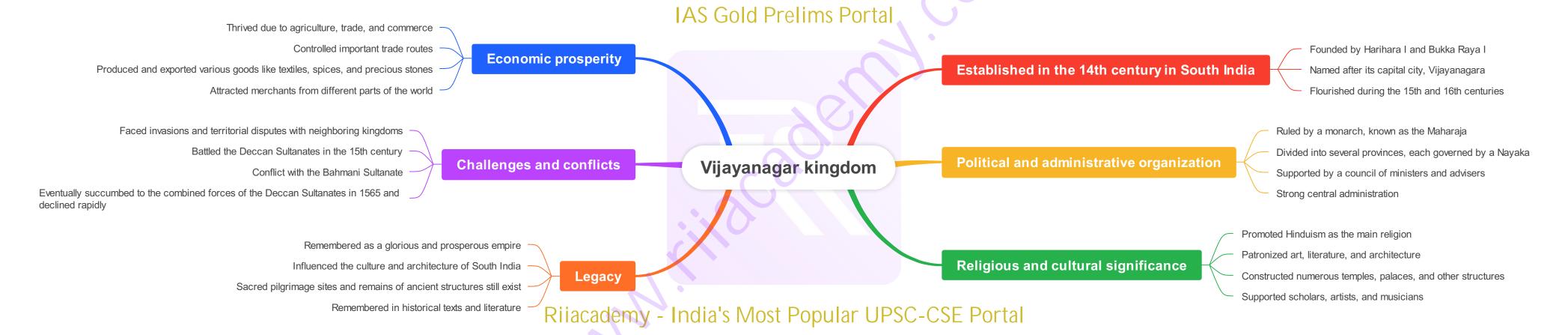


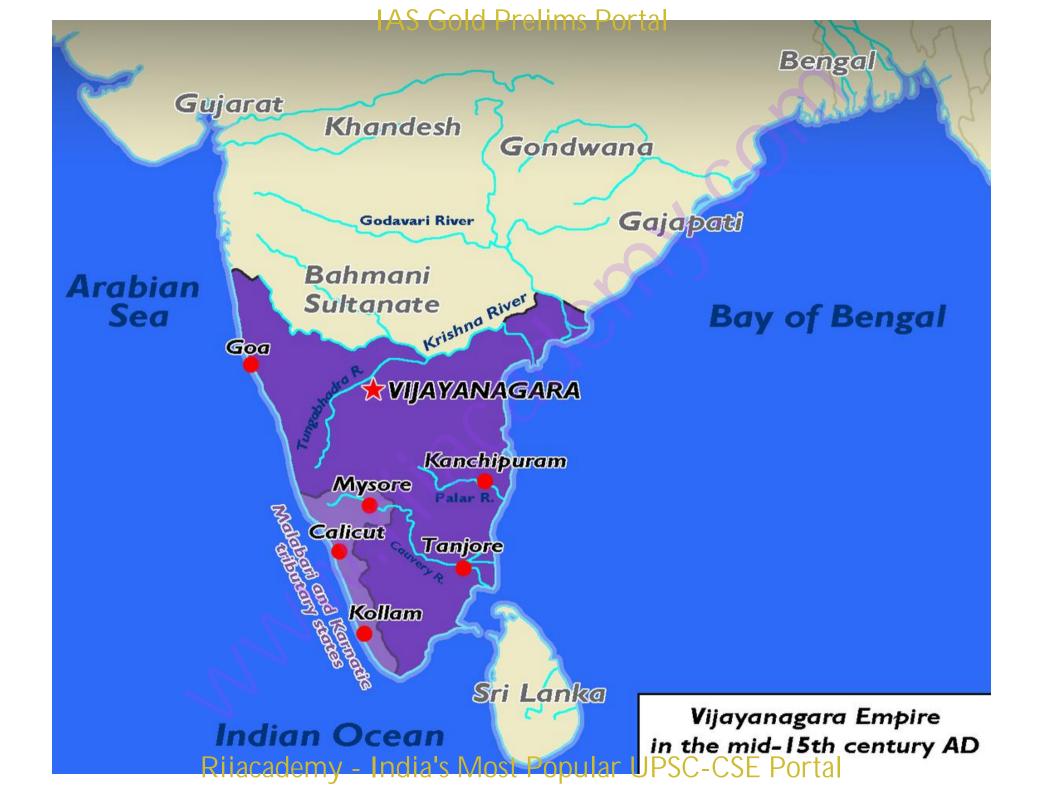


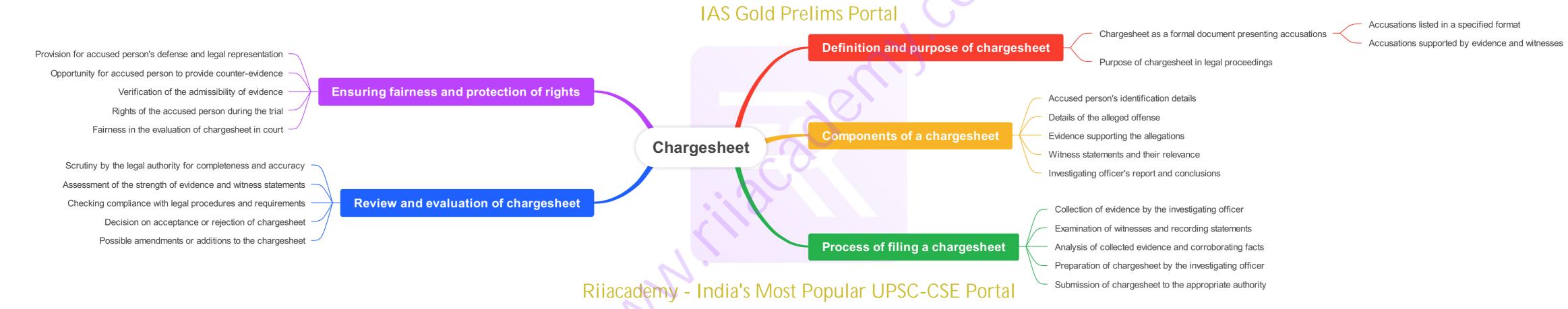


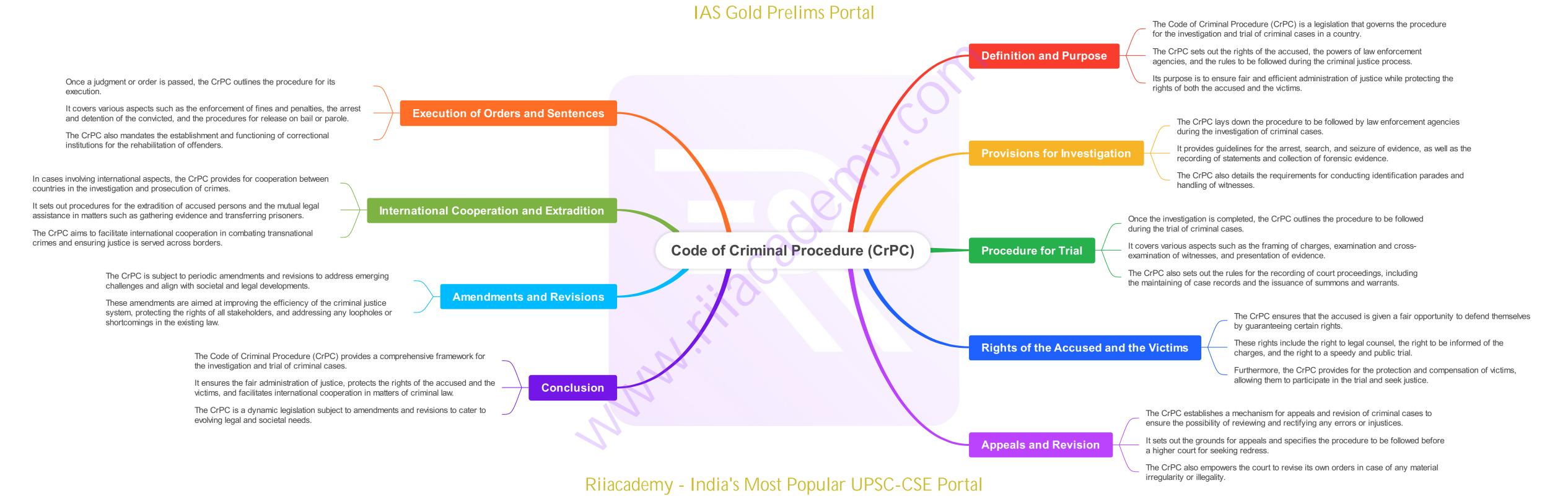
Celebrated for nine days during Navaratri

Marked by elaborate processions and cultural performances









Emperor Ashoka was an Indian Emperor of the Maurya Dynasty. Ashoka's legacy has had a lasting impact on Indian history and culture.

Ashoka

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Ashoka ruled from 268 to 232 BC.

He was the third ruler of the Maurya Dynasty and one of the greatest Indian Emperors.

Ashoka's reign was marked by a transformation from a conquering emperor to a peaceful and compassionate ruler.

Ashoka is known for his conversion to Buddhism and promotion of the religion.

After a violent war, Ashoka felt immense remorse and turned to Buddhism for guidance.

He promoted Buddhist principles throughout his empire and built numerous stupas and monasteries.

He implemented policies to improve the lives of his subjects and promote equality.

Ashoka established hospitals, built roads, and provided assistance to the poor and needy.

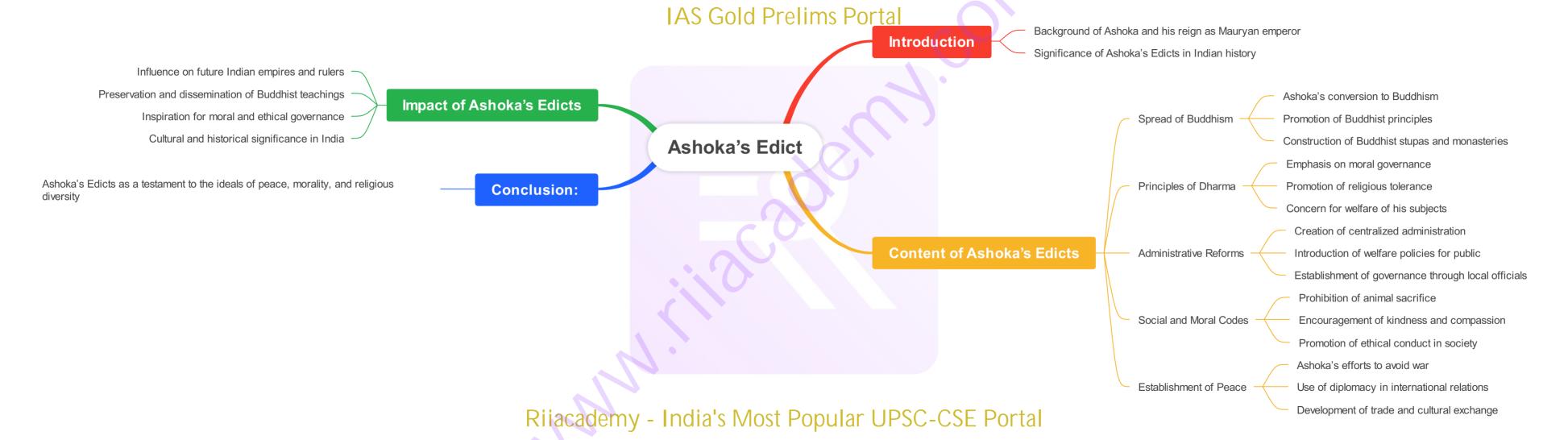
His conversion to Buddhism influenced the spread of the religion in India and neighboring countries.

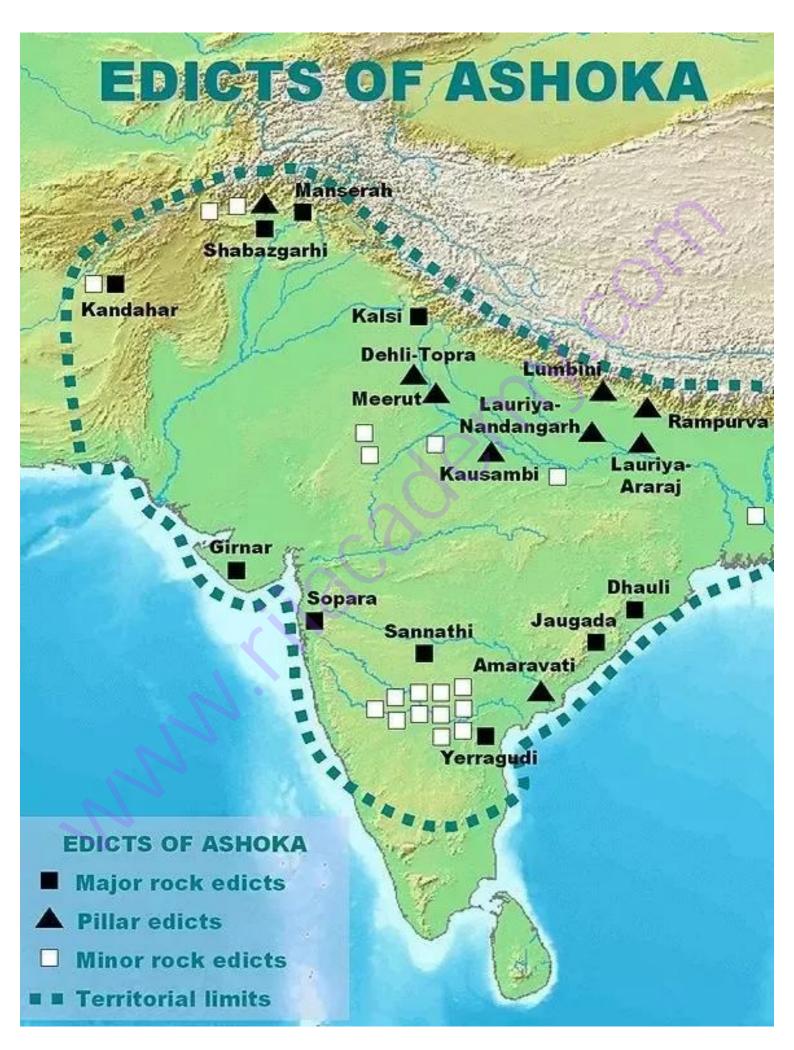
Ashoka's administration focused on social welfare and justice.

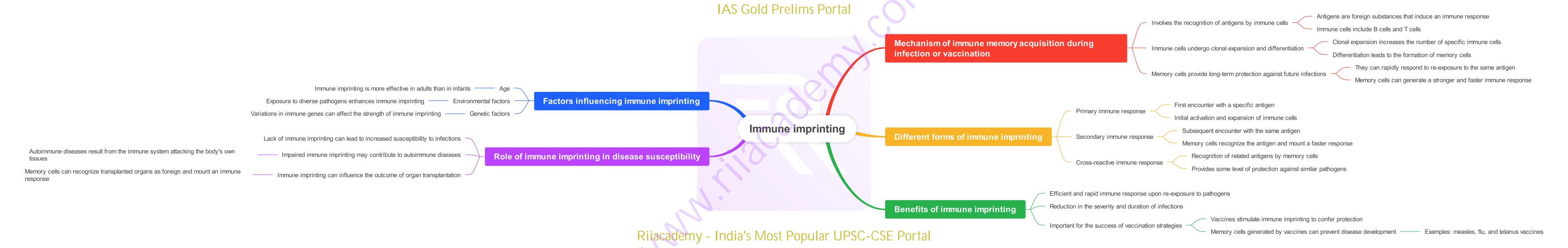
Ashoka's edicts, inscribed on pillars and rocks, provide valuable historical and moral lessons to this day.

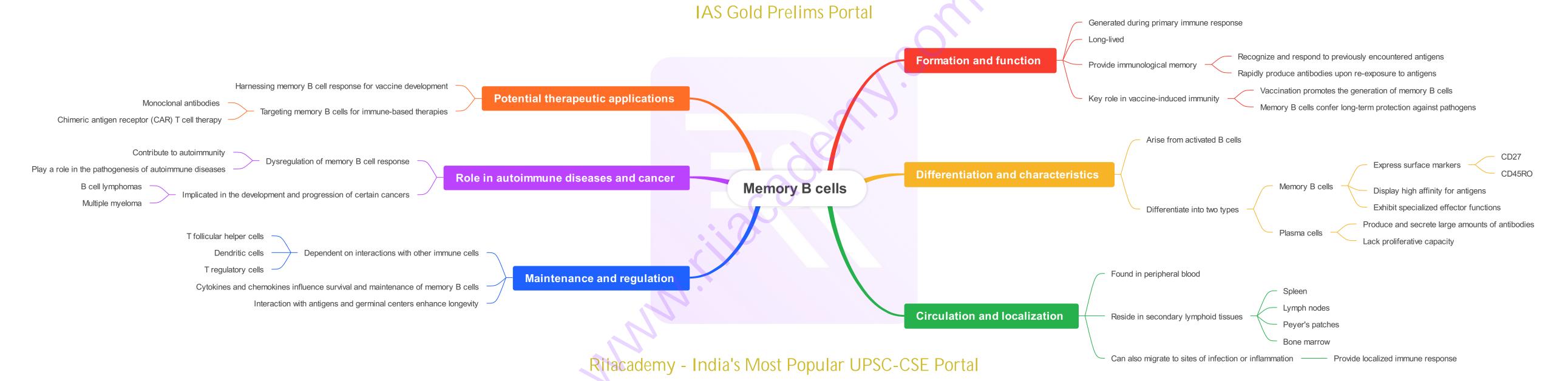
His emphasis on non-violence and compassion continues to inspire people around

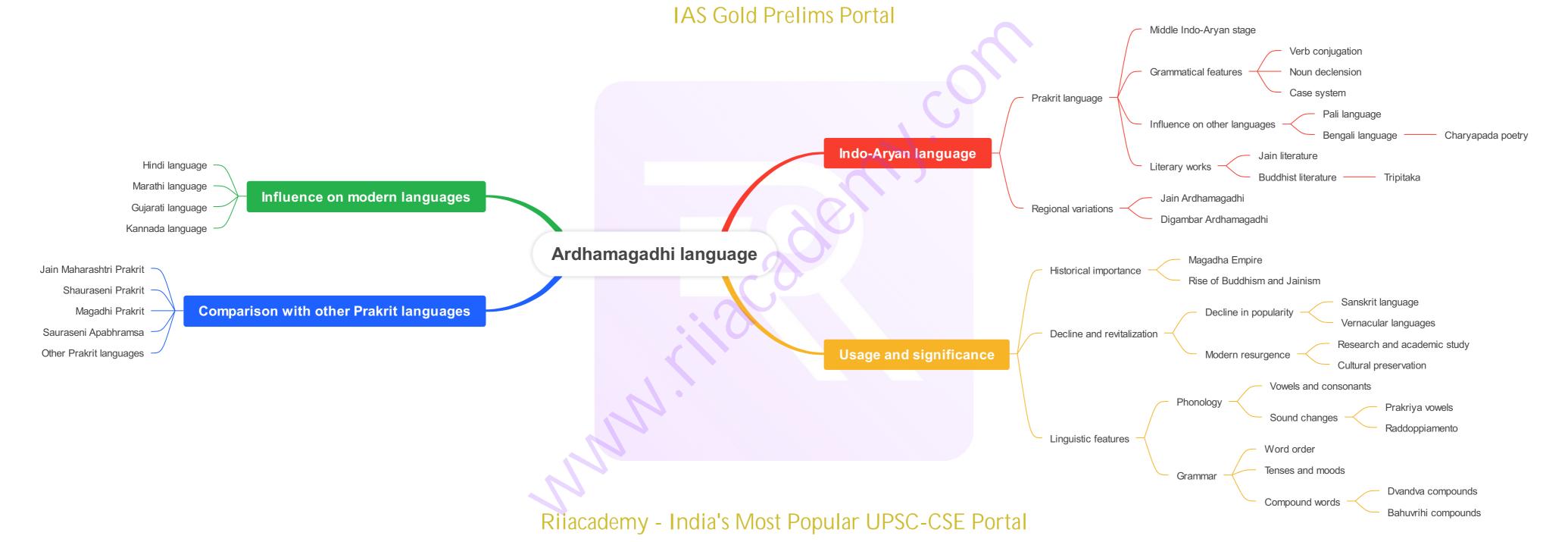
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Concepts like Anekantavada (non-absolutism), Syadvada (doctrine of conditional predication), and Nayavada (theory of standpoints) are discussed. The importance of non-violence, truthfulness, celibacy, non-stealing, and non----- Ethics possessiveness are emphasized. The Jaina Agam literature describes the Jaina understanding of the universe, ---- Cosmology including the realms of existence, celestial beings, and the cycle of birth and death. The texts also contain stories and legends related to Tirthankaras (spiritual leaders), _____ Mythology their teachings, and their spiritual journeys.

The Jaina Agam literature covers various aspects of Jaina philosophy, ethics, Contents of Jaina Agam literature cosmology, and mythology. The Jaina Agam literature is considered sacred and is highly revered by Jainas. These texts serve as a source of guidance and inspiration for Jaina practitioners. The literature has played a crucial role in preserving and transmitting the Jaina traditions and teachings throughout history. Significance and impact It has influenced Jaina philosophy, ethical practices, and rituals Scholars and researchers study the Jaina Agam literature to deepen their understanding of Jaina religion and philosophy. The literature has also had an influence on Indian art, literature, and culture.

IAS Gold Prelims Portal Agam literature refers to the sacred texts of the Jaina tradition. **Definition and characteristics** These texts contain the teachings, philosophy, and stories related to Jaina philosophy and practice. Jaina Agam literature The Upangas focus on specific topics and provide further insights into Jaina The Angas are further divided into sections known as Upangas. Jaina Agam literature is classified into 12 major texts called Angas. Classification of Jaina Agam literature The 12 Angas are considered the primary scriptures of the Jaina tradition. Apart from the Angas, there are also other texts known as Angabahya scriptures. Riiacademy - India's Most Popular UPSC-CSE Portal

Bagasse

Bagasse pulp can be bleached and refined to produce high-quality paper with good strength properties.

Bagasse-based products are often considered more environmentally friendly than those made from virgin wood pulp.

However, bagasse pulp may have lower brightness and certain limitations in terms of printability and surface smoothness.

Advanced technologies, such as biochemical conversion and biorefinery processes, hold promise for extracting a wider range of value-added products from bagasse.

Collaboration between researchers, industry stakeholders, and policymakers is crucial to unlocking the full potential of bagasse and promoting its sustainable

Bioplastics derived from bagasse have the potential to replace petroleum-based plastics in various applications, reducing plastic pollution.

These include biofuels, bioplastics, and biochemicals, which could further enhance the sustainability and economic viability of the sugarcane industry.

Bagasse-based biochemicals, such as organic acids and enzymes, can find use in various industries, including food, pharmaceuticals, and agriculture.

The conversion of bagasse into biofuels, such as ethanol, can help reduce reliance

on fossil fuels and contribute to renewable energy targets.

Bagasse-based paper and board products have their advantages and limitations.

Research and development efforts are ongoing to explore new applications and improve the utilization of bagasse.

Bagasse is the fibrous residue that remains after sugarcane is crushed to extract juice.

Bagasse is an abundant agricultural byproduct,
especially in countries with a significant sugarcane
industry.

The use of bagasse as a renewable energy source has economic and environmental benefits.

It reduces dependence on fossil fuels and mitigates greenhouse gas emissions.

Bagasse-based power plants can contribute to the decentralization of energy production, particularly in rural areas with sugarcane mills.

On-site power generation from bagasse can also provide a reliable source of electricity for the sugarcane industry, reducing reliance on the grid.

It is primarily used as a renewable source of biomass for energy production.

Bagasse can also be used as a raw material in the production of paper, board, and other fiber-based products.

The amount of bagasse generated depends on the sugar content of the sugarcane and the efficiency of the extraction process.

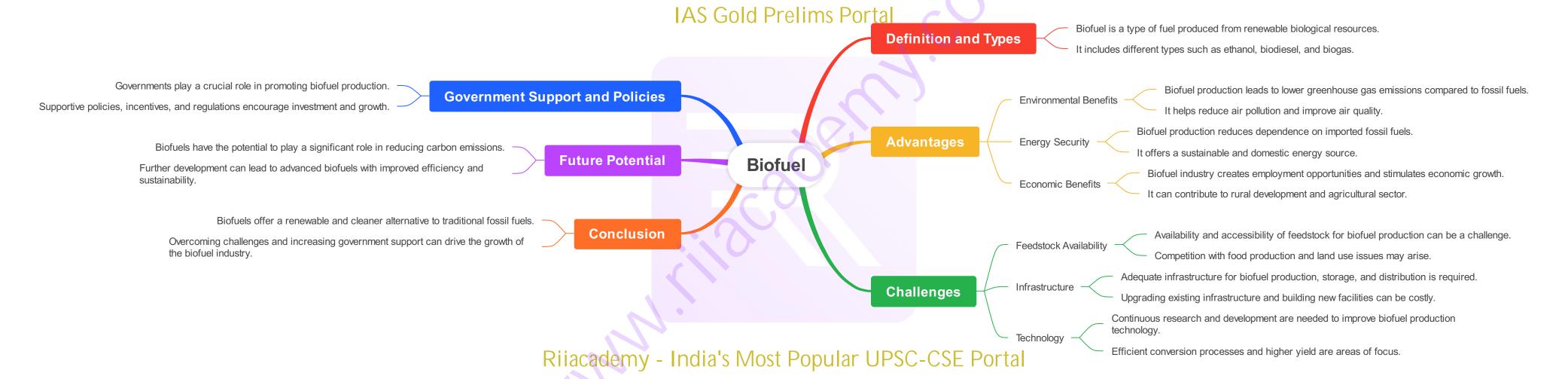
Proper management and utilization of bagasse can help reduce waste and contribute to a more sustainable bioeconomy.

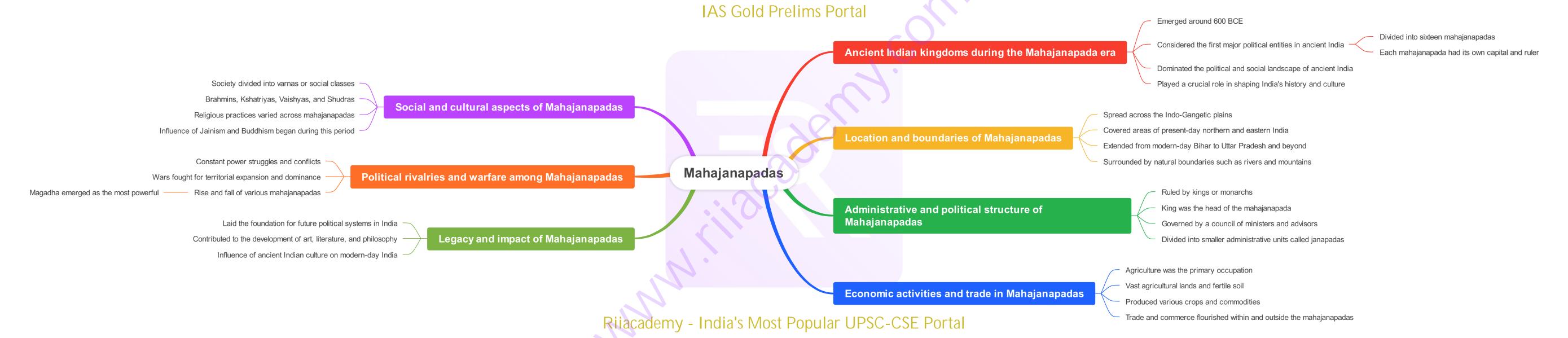
Bagasse can be burned to produce steam, which can then power a turbine to generate electricity.

The combustion of bagasse releases carbon dioxide, but it is considered carbonneutral because the carbon emitted is offset by the carbon absorbed by sugarcane during growth.

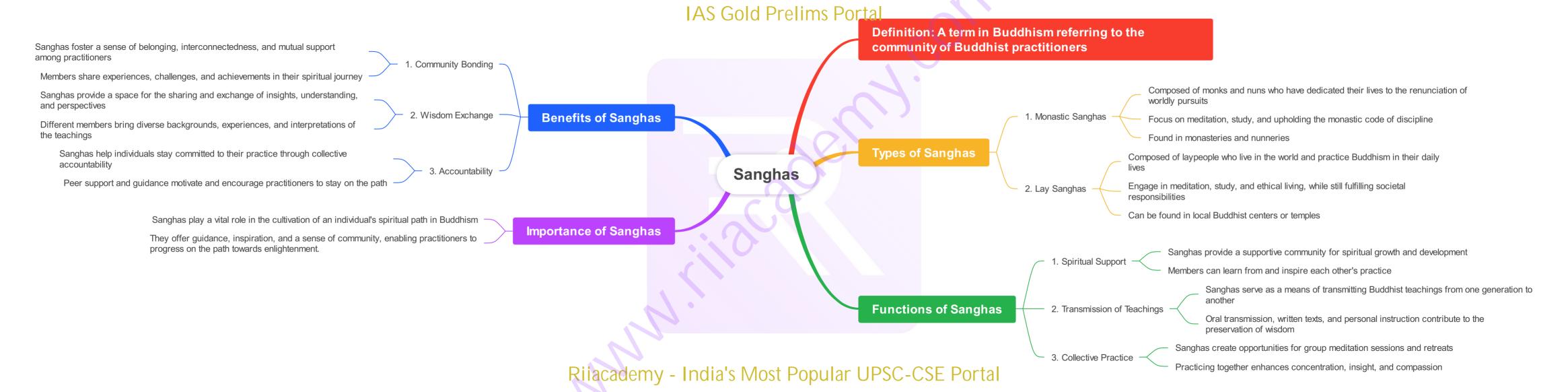
On average, sugarcane contains about 30-35% fiber, which makes up the bulk of bagasse.

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The project provides broadband connectivity by utilizing a mix of technologies, including underground fiber optic cables, overhead lines, and satellite connectivity.

BharatNet project not only aims to provide connectivity but also encourages the use of digital services in areas such as education, healthcare, and governance.

The availability of high-speed internet is expected to drive digital innovation and empower rural communities.

The project faces challenges such as difficult terrain, inadequate infrastructure, and funding constraints.

Efforts are being made to overcome these challenges to ensure the successful implementation of the project.

The success of BharatNet project will have a significant impact on the socio-economic development of rural India.

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BharatNet project is an initiative in India to provide high-speed broadband connectivity to all villages in the country.

The project aims to bridge the digital divide in rural areas by ensuring internet access for all.

It is one of the largest infrastructure projects in the world, aiming to connect over 250,000 gram panchayats (village councils) with optical fiber network.

BharatNet project is being implemented by Bharat Broadband Network Limited, a special purpose vehicle set up by the Government of India.

The project is divided into three phases, each targeting a specific number of gram panchayats.

Phase 1 of the project aimed to connect 100,000 gram panchayats and was completed in December 2017.

Phase 2 aims to connect an additional 150,000 gram panchayats and is expected to be completed by August 2021.

The final phase, Phase 3, will cover the remaining gram panchayats and is scheduled to be completed by March 2023.

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Universal Service Obligation Fund

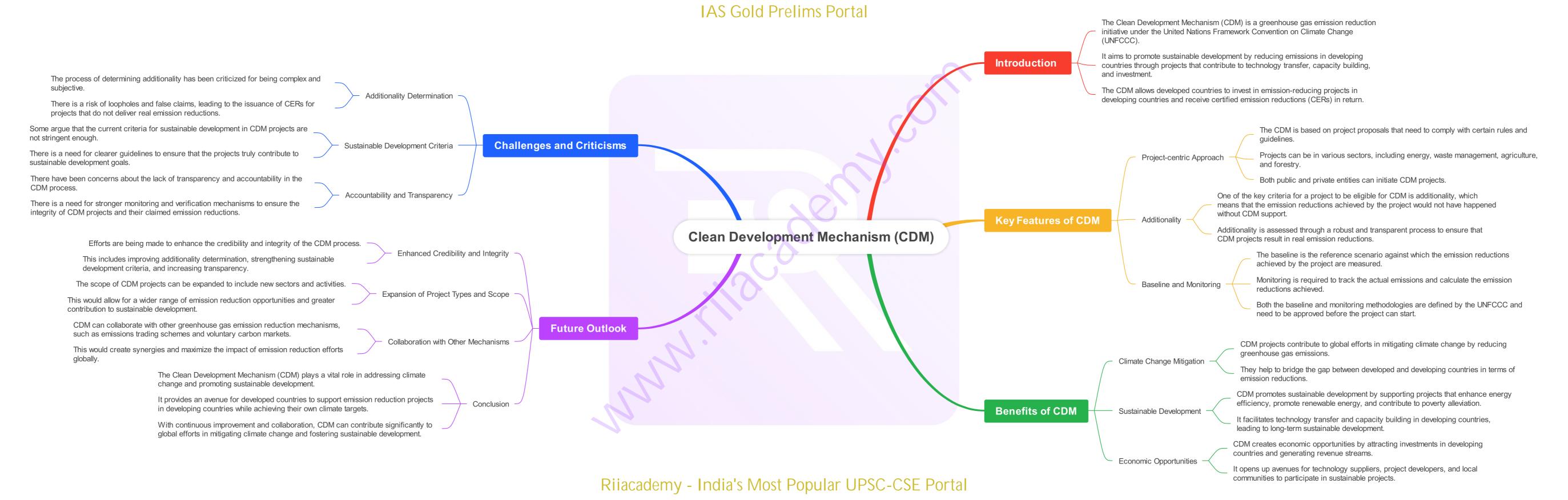
Definition: A fund established by the government to ensure the availability of basic telecommunications services in underserved areas

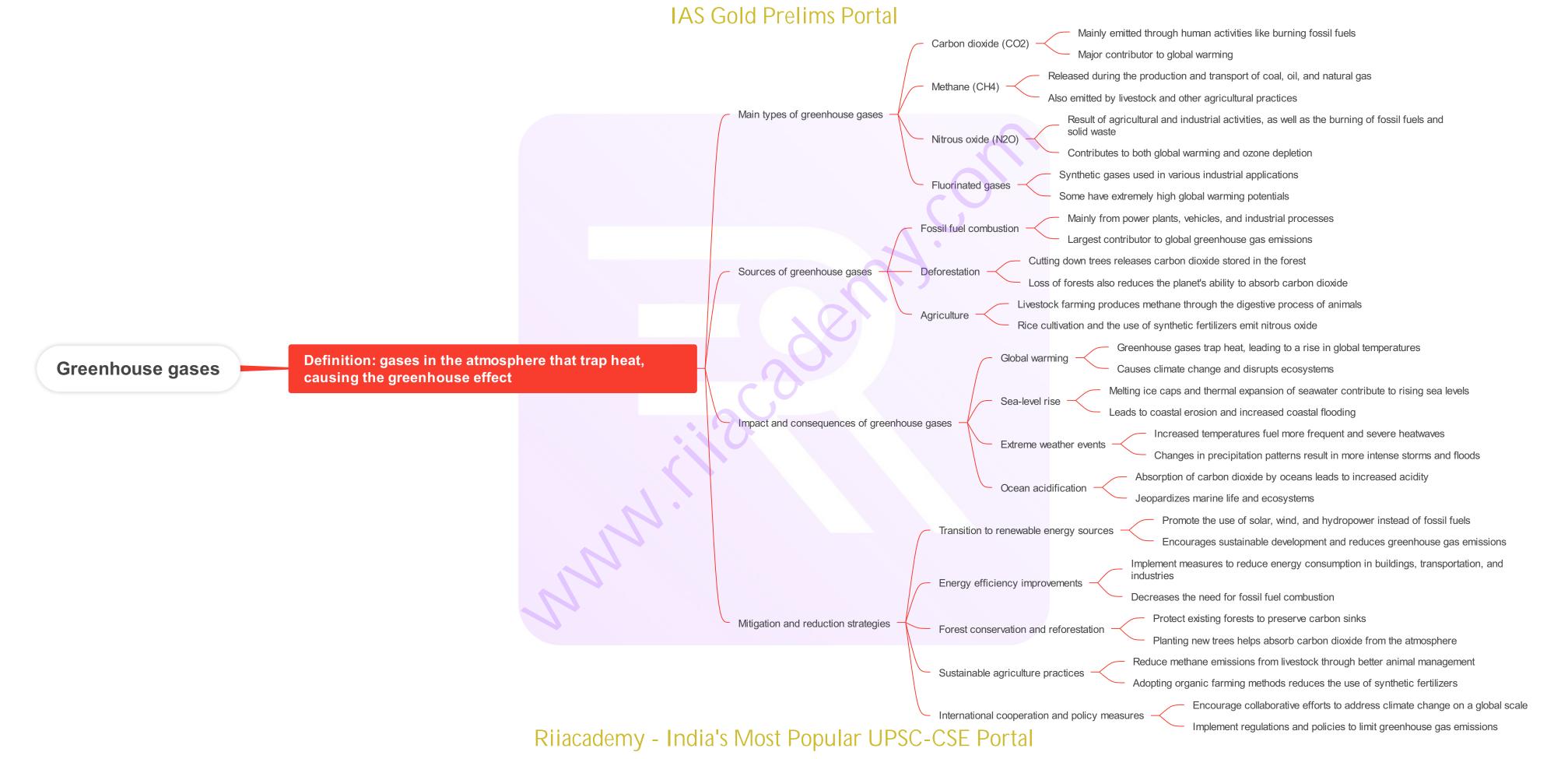
Purpose: To bridge the digital divide and promote equal access to communication services

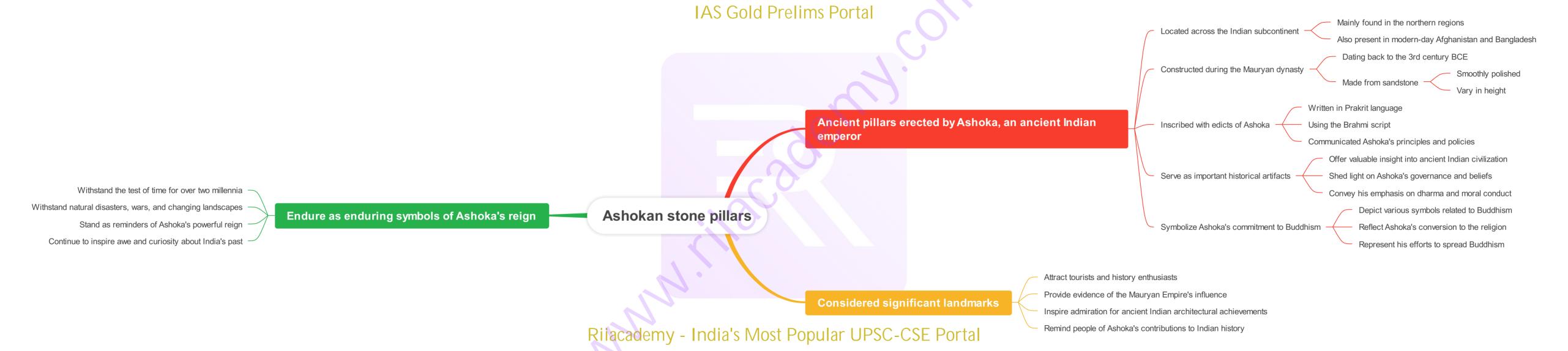
To provide universal access to affordable and quality telecommunication services Objectives: To promote socio-economic development and inclusion in underserved areas To support infrastructure development in remote and rural regions Contributions from telecommunication service providers Funding: Government subsidies and grants Other sources such as fines and levies imposed on the industry Building and maintaining telecommunication infrastructure in remote areas Subsidizing the costs of service provision in high-cost regions Initiatives Promoting the adoption of digital technologies in underserved communities Managed by a designated government agency or regulatory body - Administration Responsible for collecting and allocating funds Conducts regular monitoring and evaluation of fund utilization and impact Ensuring transparency and accountability in fund management Challenges Addressing the evolving needs and expectations of users Balancing the costs and benefits of universal service obligations Enhanced connectivity and communication opportunities for underserved populations Improved access to information, education, healthcare, and government services Benefits Economic growth and job creation in remote and rural areas Reduction of inequalities and promotion of social inclusion

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It can be suitable for small-scale or simpler applications where the benefits of microservices architecture may not outweigh the added complexity.

Monolithic architecture can also be a good choice for applications that do not require frequent updates or scalability.

Additionally, migrating from a monolithic architecture to a microservices architecture _____ can be a complex and time-consuming process.

While it has limitations in terms of scalability and maintainability, it can still be a viable option for certain types of applications.

Despite the drawbacks, monolithic architecture still has its uses in certain scenarios.

In summary, monolithic architecture refers to a software design where all components are tightly integrated into a single program.

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Describing something as monolithic means it is characterized by being massive, uniform, and indivisible.

Monolithic

Monolithic software architecture was common in the early days of computing when systems were simpler and codebases were smaller.

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In technology, monolithic refers to a type of software architecture where all the parts of a system are combined into a single program.

Monolithic architecture is in contrast to microservices architecture, where an application is broken down into smaller, independent services.

It was easier to develop and deploy monolithic applications as the technology and development processes were less advanced.

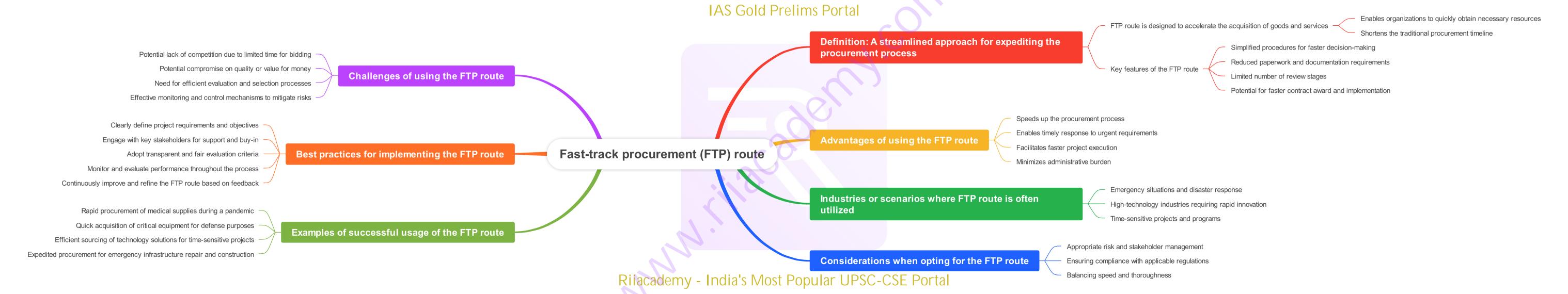
However, as systems became more complex and technology evolved, the limitations of monolithic architecture became apparent.

This architecture design is also known as "big ball of mud" due to its complex and tightly coupled nature.

Monolithic applications are typically difficult to scale, maintain, and modify as changes in one part can have a ripple effect on the entire system.

Monolithic applications can become hard to manage, understand, and debug as they grow over time.

They can also lead to longer deployment times and increased risk of system failures due to their interconnected nature.



Structure

Key Responsibilities

Armed Forces Coordination

Defense Acquisition and Procurement

Defense Research and Development

International Relations

Welfare and Rehabilitation

Working with Internal Ministries

Defense Industry Development

National Security Planning

Union Defence Ministry

As the central governing body for defense affairs in the country, the Union Defence Ministry plays a crucial role in ensuring national security and safeguarding the territorial integrity of the nation.

The Union Defence Ministry is headed by the Defense Minister, who is a member of the Union Cabinet appointed by the Prime Minister.

It consists of various departments and organizations responsible for different aspects of defense operations and management.

Formulating defense policies and strategies to protect the nation's interests.

Ensuring the preparedness and capability of the armed forces to handle any security threats.

Overseeing defense budget allocation and utilization for military modernization and infrastructure development.

The Union Defence Ministry acts as the interface between the government and the three branches of the armed forces: the Army, Navy, and Air Force.

It maintains coordination among these forces for effective joint operations and integration of capabilities.

The Union Defence Ministry handles the acquisition and procurement of defense equipment, weapon systems, and technology from domestic and international sources.

It ensures transparency, efficiency, and compliance with procurement guidelines to meet the requirements of the armed forces.

The Union Defence Ministry promotes and supports research and development activities in the defense sector.

It collaborates with research institutions, public and private sectors, and foreign partners to enhance indigenous defense capabilities and innovation.

The Union Defence Ministry engages in discussions, negotiations, and collaborations with foreign counterparts on defense policies, security cooperation, and military partnerships.

It represents the country's interests in international forums and contributes to global peacekeeping efforts.

The Union Defence Ministry is responsible for the well-being of serving personnel, veterans, and their families.

It ensures adequate support for their healthcare, pensions, housing, employment opportunities, and rehabilitation programs.

The Union Defence Ministry coordinates with other ministries like Home Affairs, External Affairs, Finance, and others to address security-related issues that intersect various domains.

It facilitates inter-ministerial cooperation and synergy for effective decision-making and implementation of defense policies.

The Union Defence Ministry promotes indigenous defense production and development of the defense industry.

It encourages public and private sector participation, foreign direct investment, and technology transfer to strengthen self-reliance in defense capabilities.

The Union Defence Ministry contributes to the formulation of national security strategies and contingency plans.

It assesses security threats, coordinates intelligence inputs, and collaborates with security agencies to ensure a comprehensive approach towards national defense.

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Ashoka is an Indian emperor who ruled from 268 to 232 BCE.

Ashoka's religious transformation was triggered by the Kalinga War.

After the war, he renounced violence and dedicated himself to peace and non-

He instituted social welfare programs and implemented policies to promote justice and equality.

Ashoka's edicts, inscribed on pillars and rocks throughout his empire, spread his teachings and principles.

Ashoka is considered one of the greatest kings in Indian history.

His empire extended over most of the Indian subcontinent, making him a powerful and influential ruler.

He is known for his conversion to Buddhism and promotion of the religion.

Ashoka's reign was marked by a period of moral and political reform.

Ashoka's policies and principles continue to inspire people around the world to this

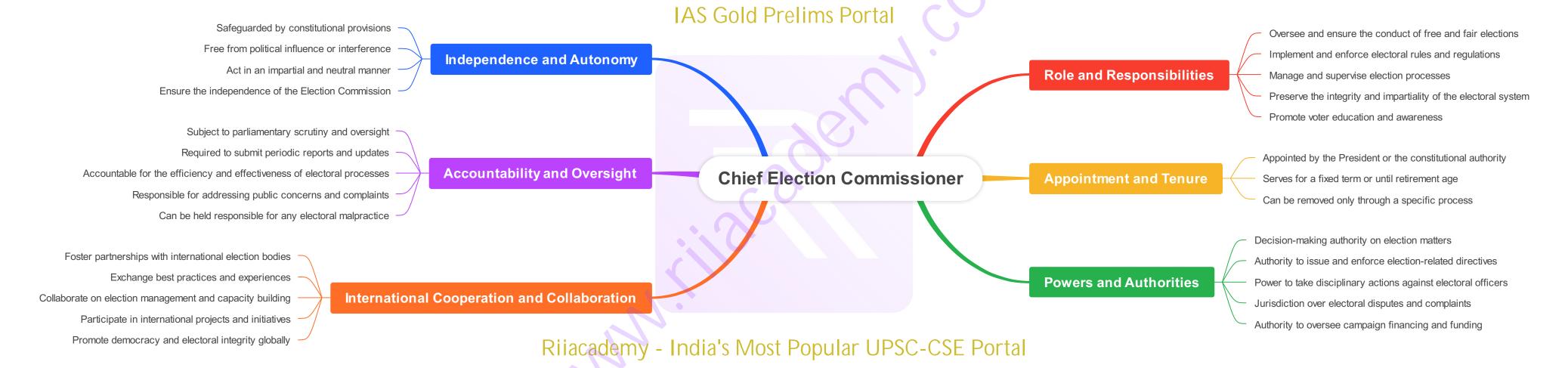
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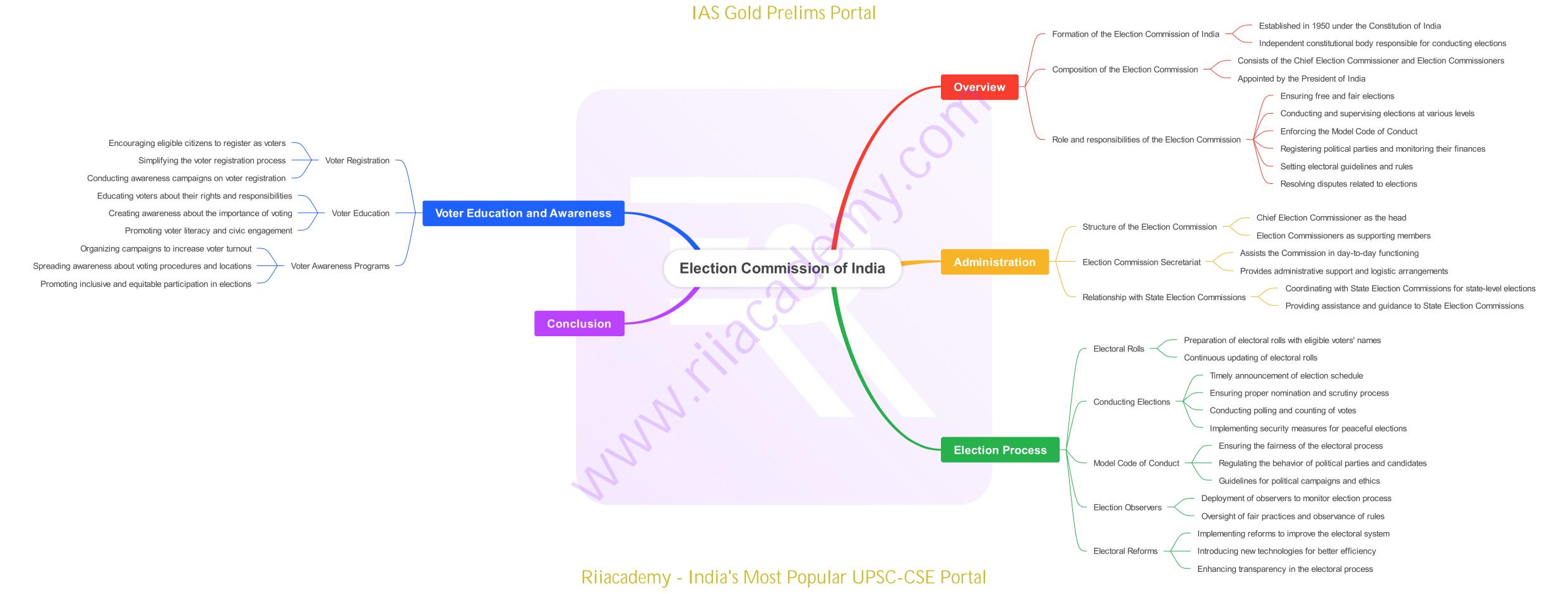
Ashoka's legacy as a visionary ruler and advocate of peace and compassion is still celebrated today.

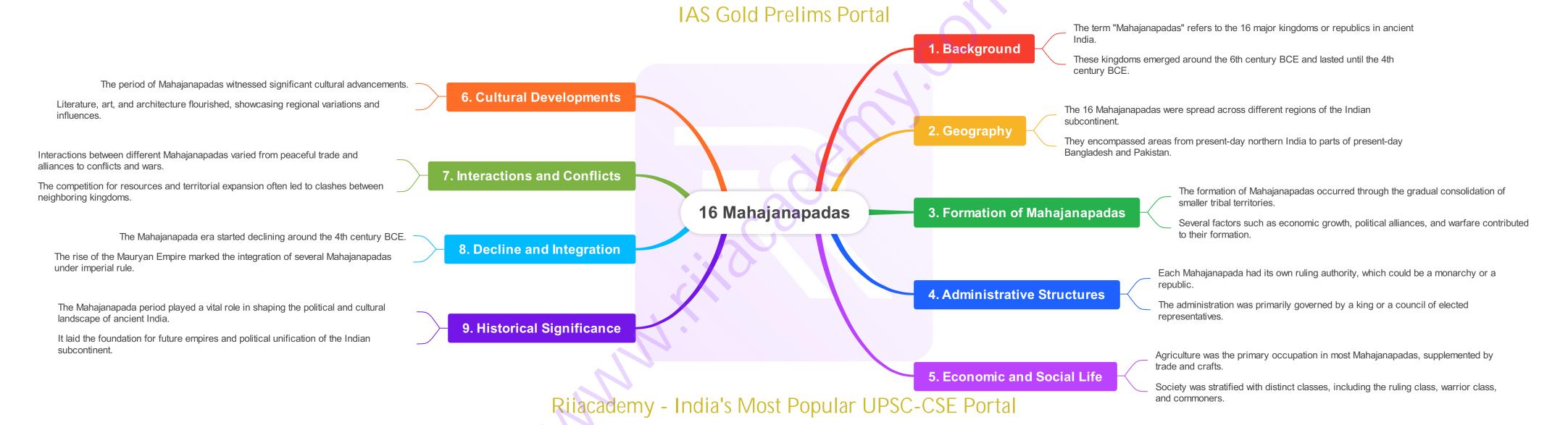
Ashoka

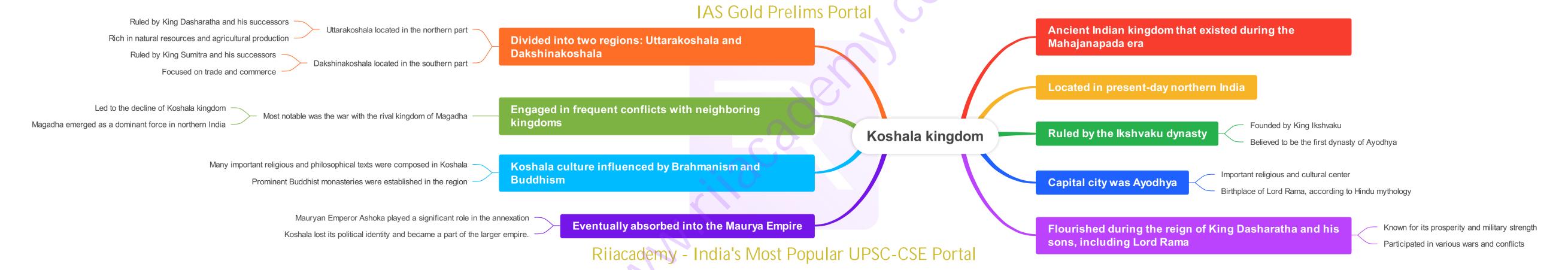


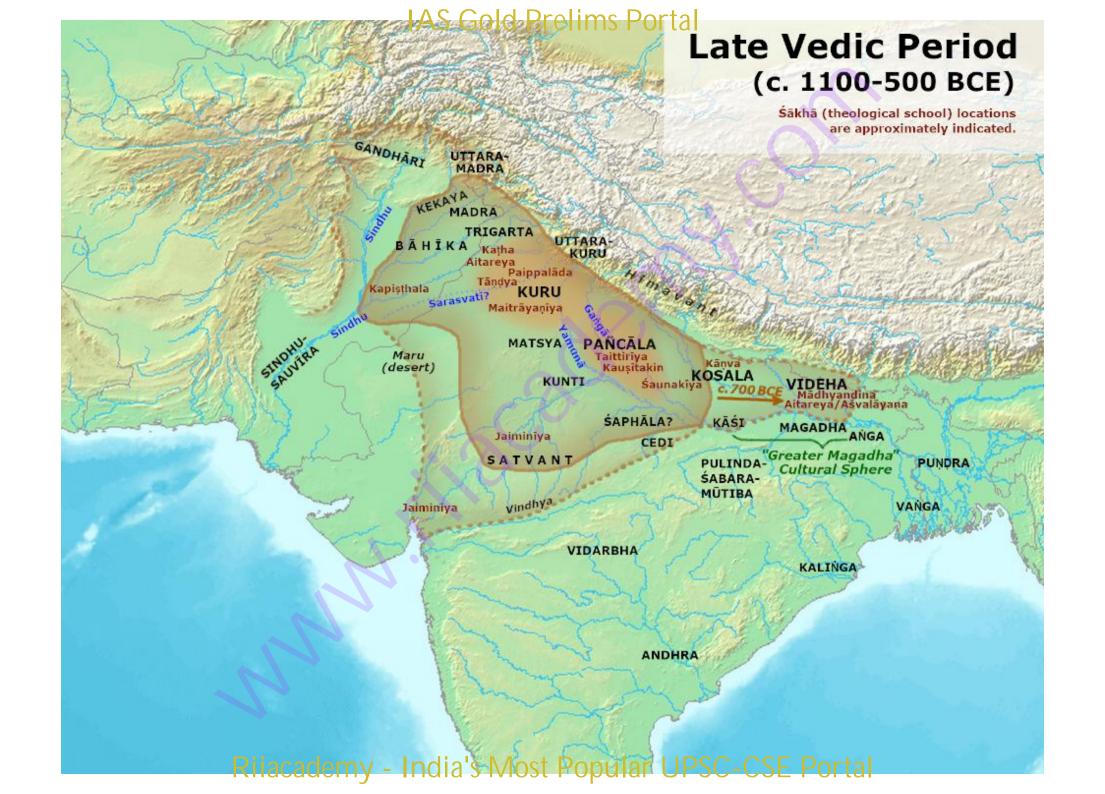


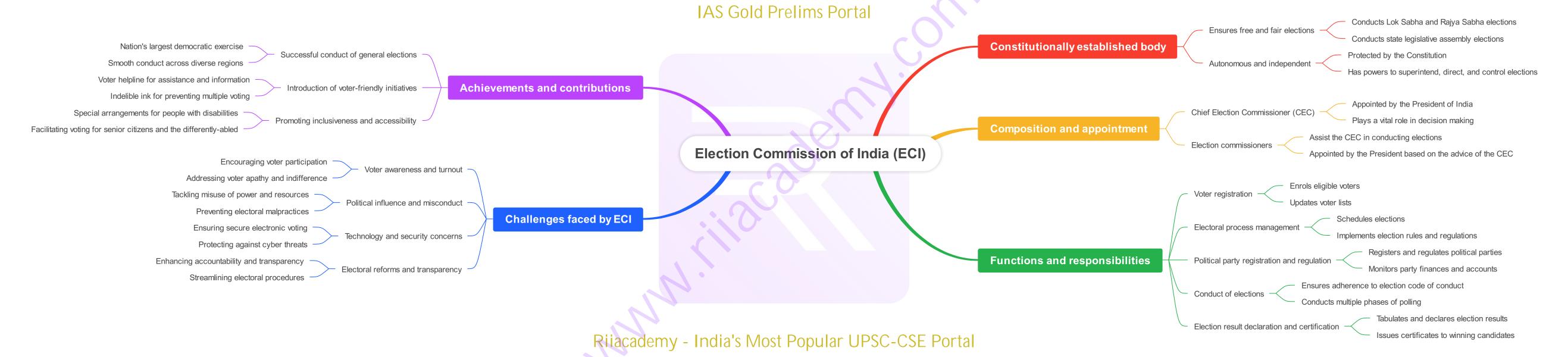


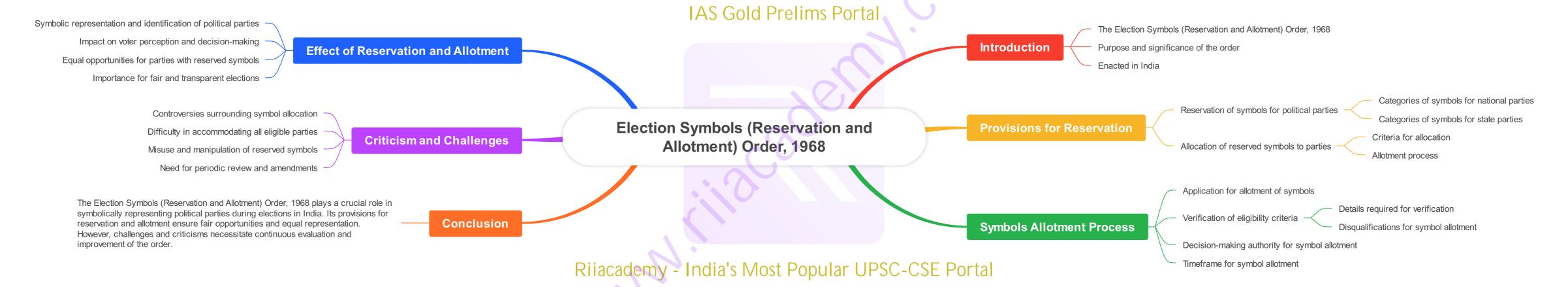


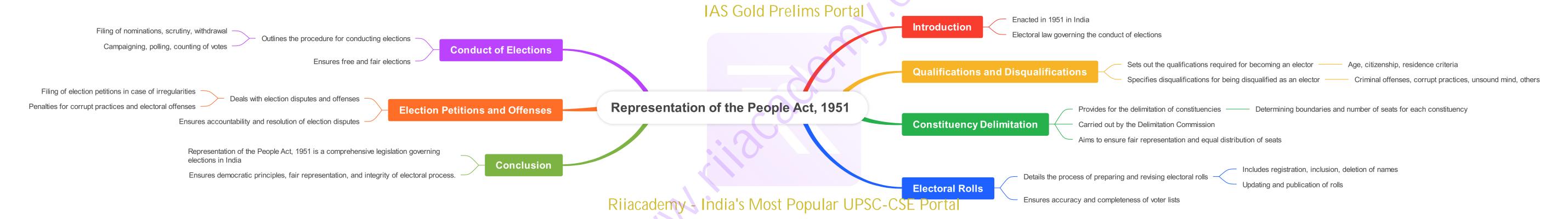


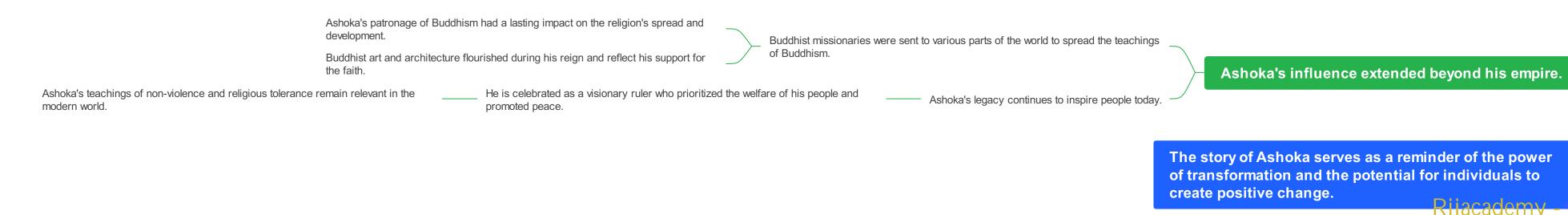












Ashoka

Ashoka's influence extended beyond his empire.

Emperor Ashoka was an important figure in ancient Ashoka's reign was marked by significant achievements and reforms.

Ashoka's edicts, inscribed on rocks and pillars, provide subjects. valuable insights into his policies and beliefs.

Ashoka is known for his conversion to Buddhism and his efforts to spread the religion throughout his kingdom. - He was the third ruler of the Maurya dynasty and ruled over a vast empire.

He promoted principles of non-violence, religious tolerance, and social welfare.

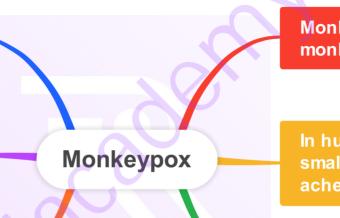
Ashoka advocated for the fair treatment of prisoners, the protection of animals, and

the provision of medical care.

 He built hospitals and veterinary clinics for the benefit of all. Ashoka's policies aimed to create a just and compassionate society.

The disease is considered a zoonotic infection, meaning it can be transmitted Monkeypox outbreaks have been reported in central between animals and humans. and West African countries, with occasional cases This can occur through respiratory droplets or contact with bodily fluids and lesions In some cases, human-to-human transmission of monkeypox has been documented. outside of Africa. of infected individuals. The smallpox vaccine offers some protection against monkeypox, although it is no Prevention of monkeypox includes avoiding contact longer available to the general public. with sick animals, practicing good hygiene, and Public health authorities play a crucial role in surveillance and response to _____ Isolation of infected individuals and quarantine measures can help control the spread vaccination. monkeypox outbreaks. of the disease. The disease presents with a rash, fever, and other flu-like symptoms. Monkeypox can be transmitted between animals and humans, as well as through In conclusion, monkeypox is a rare viral disease that human-to-human contact. primarily affects monkeys but can also infect humans. Prevention measures, such as avoiding sick animals and practicing good hygiene, are important in controlling the spread of the disease.

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Monkeypox is a rare viral disease that mainly affects monkeys and other non-human primates.

In humans, monkeypox causes a rash similar to that of smallpox, along with fever, headache, and muscle

The disease can be severe, with complications including pneumonia and death, although mortality rates are generally low.

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The disease was first discovered in 1958 when outbreaks occurred in monkeys kept for research

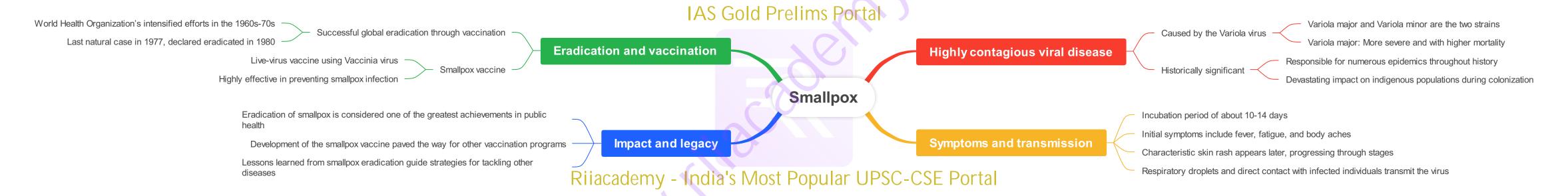
Monkeypox can be transmitted to humans through close contact with infected

Monkeypox is usually a self-limiting disease, with most patients recovering within a few weeks.

There is no specific treatment for monkeypox, but supportive care measures can help alleviate symptoms.

The disease is similar to smallpox but generally less severe in humans.

Monkeypox is caused by the monkeypox virus, a member of the Orthopoxvirus



Avalokitesver's teachings resonate with those who seek to alleviate suffering in the world.

Avalokitesver's teachings encourage individuals to cultivate empathy and act with kindness towards others.

Avalokitesver's compassion is seen as a transformative force that can bring about positive change.

Avalokitesver's legacy continues to inspire countless individuals in their spiritual journeys.

Avalokitesver's presence is felt in Buddhist communities worldwide, offering guidance and support.

Avalokitesver's compassion is a reminder of the inherent goodness and potential for growth in all beings.

Avalokitesver's teachings remind us of the power of compassion to heal and transform.

Avalokitesver's symbolizes the boundless wisdom and compassion of the enlightened mind.

Avalokitesver's teachings inspire individuals to cultivate a compassionate attitude towards themselves and others.

Avalokitesver's compassion is a guiding force that leads individuals towards greater peace and happiness.

Avalokitesver's teachings emphasize the interconnectedness of all beings and the importance of caring for one another.

Avalokitesver's example serves as a reminder to live with kindness, empathy, and compassion.

Avalokitesver's teachings transcend religious boundaries and speak to the universal human desire for love and understanding.

Avalokitesver's compassion is a source of inspiration for individuals seeking to make a positive impact on the world.

Avalokitesver's embodiment of compassion serves as a role model for those on the path of spiritual awakening.

Avalokitesver's teachings encourage individuals to cultivate a sense of interconnectedness with all beings.

Avalokitesver's compassion is a guiding light that illuminates the path towards enlightenment.

Avalokitesver's teachings inspire individuals to lead lives filled with love, kindness, and compassion.

Avalokitesver's embodiment of compassion serves as a beacon of hope in a world often plagued by suffering and strife.

Avalokitesver's compassion is an invitation to all beings to awaken their own innate capacity for love and empathy.

Avalokitesver's teachings remind us that compassion is not only a virtue but a transformative force that can bring about profound change.

Bodhisattva Avalokitesver is a prominent

figure in Buddhism.

Avalokitesver is known as the embodiment of compassion.

Avalokitesver is highly revered in Mahayana Buddhism.

Avalokitesver is believed to be the bodhisattva who embodies the compassion of all Buddhas.

Avalokitesver is often depicted with multiple faces and arms, symbolizing his ability to reach out and help countless beings.

Avalokitesver is especially venerated in the Tibetan Buddhist tradition.

Avalokitesver is considered a savior and protector.

Avalokitesver is believed to hear the cries of all beings and come to their aid.

Avalokitesver is associated with the mantra "Om Mani Padme Hum," which is recited to invoke his compassion.

Avalokitesver is also associated with the lotus flower, symbolizing purity and enlightenment.

In some Buddhist traditions, Avalokitesver is seen as a female figure called Guanyin.

As Guanyin, Avalokitesver is seen as the motherly figure, providing nurturing and compassionate care.

Avalokitesver is a central figure in the practice of metta (loving-kindness) meditation.

Avalokitesver is viewed as a spiritual guide who helps practitioners develop compassion and mindfulness.

Avalokitesver's teachings emphasize the importance of relieving suffering and fostering kindness and empathy.

Avalokitesver's role as a bodhisattva is to assist all beings on their path towards enlightenment.

Avalokitesver's compassion is limitless and boundless.

Avalokitesver's teachings inspire individuals to cultivate compassion in their own lives.

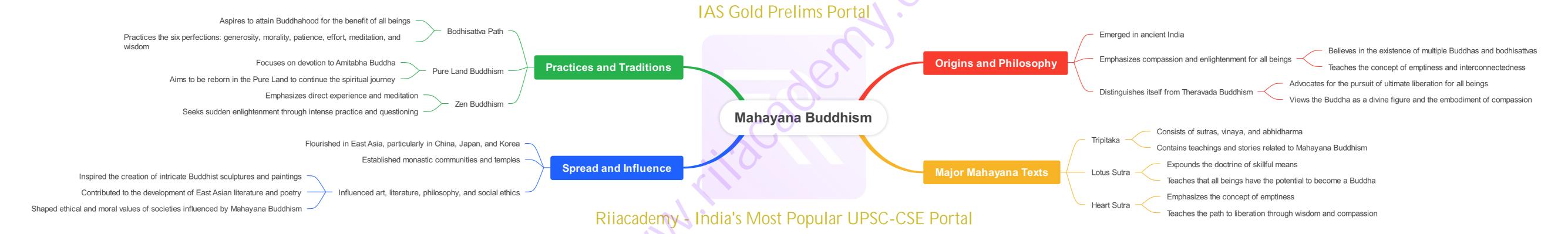
Avalokitesver's example serves as a reminder to extend kindness and compassion to all beings.

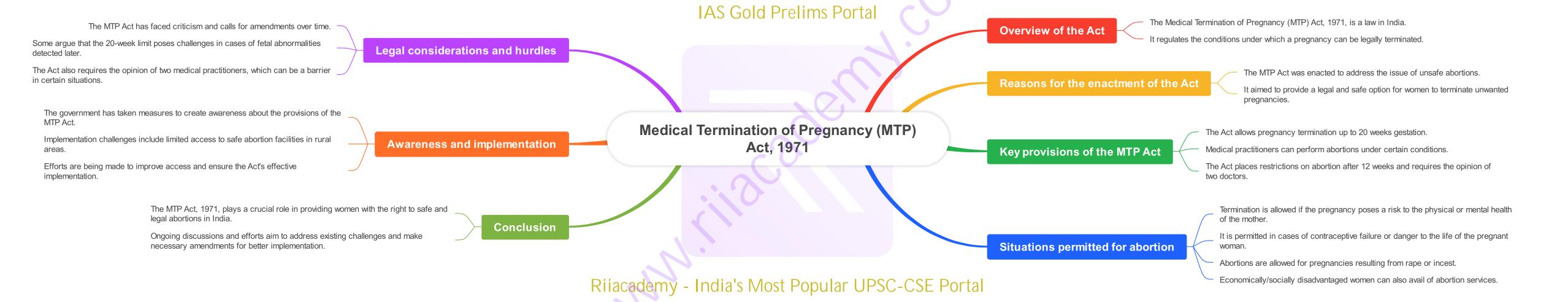
Avalokitesver's presence brings peace and harmony to those who seek his guidance.

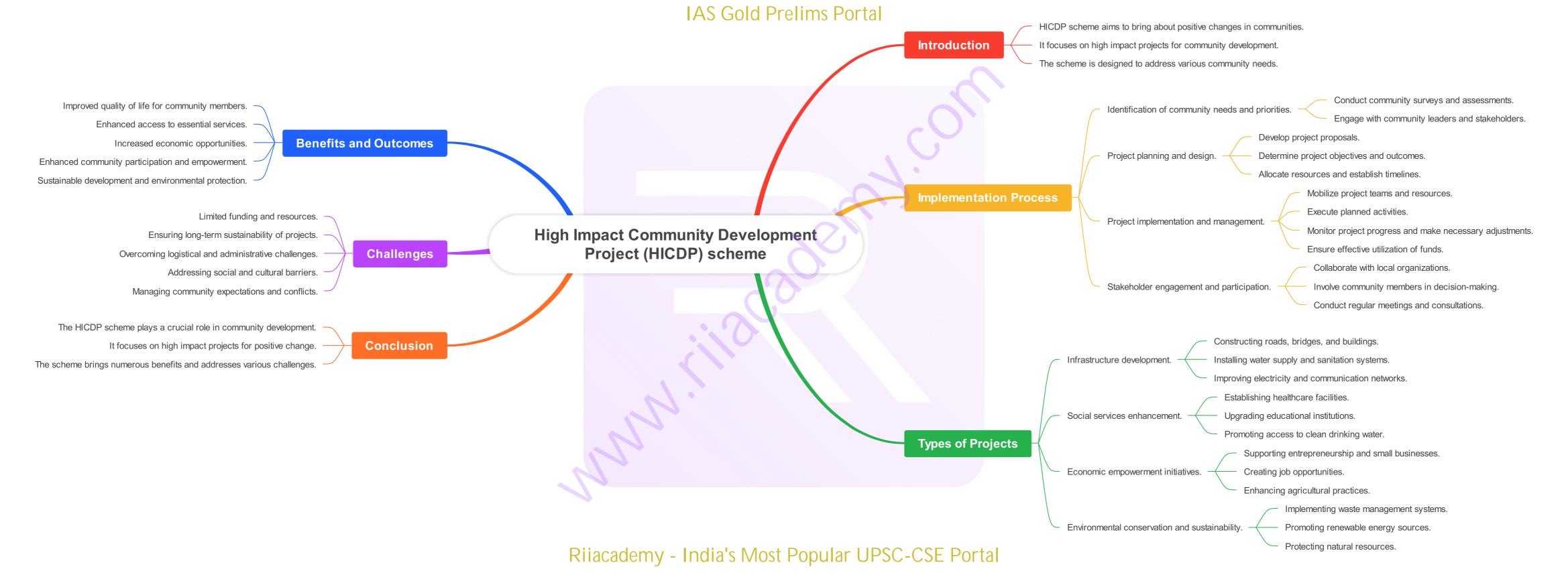
Avalokitesver's message is one of love, compassion, and understanding.

Avalokitesver's qualities are seen as ideals to aspire to in the Buddhist path.

Avalokitesver's compassion extends to all sentient beings, regardless of their species or background.







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Geographical proximity to Maldives.

Historical and cultural ties.

Bilateral trade and economic cooperation.

Political relations and diplomatic engagements.

Strategic partnership in defense and security.

Tourism and people-to-people exchanges.

Collaboration in education and capacity building.

Development assistance and infrastructure projects.

Cooperation in climate change and environmental issues.

Challenges and areas of potential improvement.

India and Maldives

Maldives

India

Geopolitical significance of India in the Indian Ocean region.

Dependency on India for defense and security.

Economic ties and trade relations with India.

Cultural and historical connections with India.

Tourism and investment opportunities from India.

Cooperation in development projects and infrastructure.

Educational and capacity building collaborations.

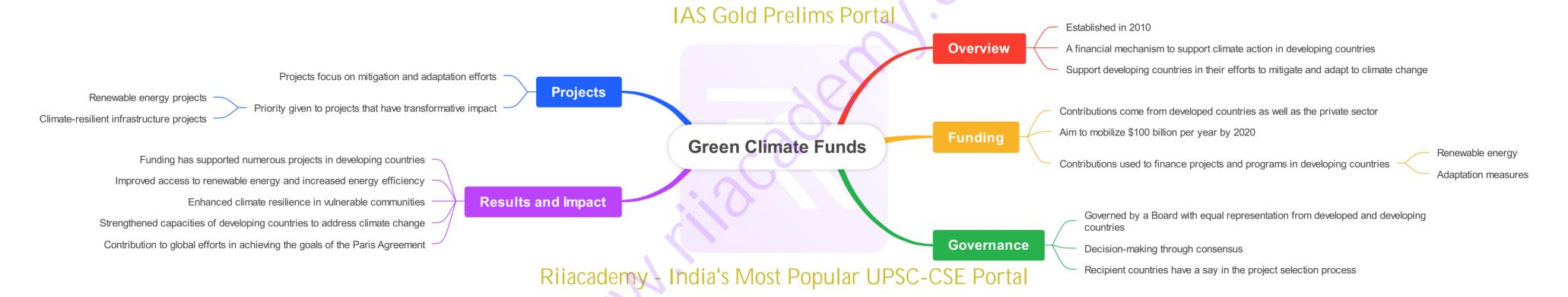
Joint efforts in combating climate change and environmental challenges.

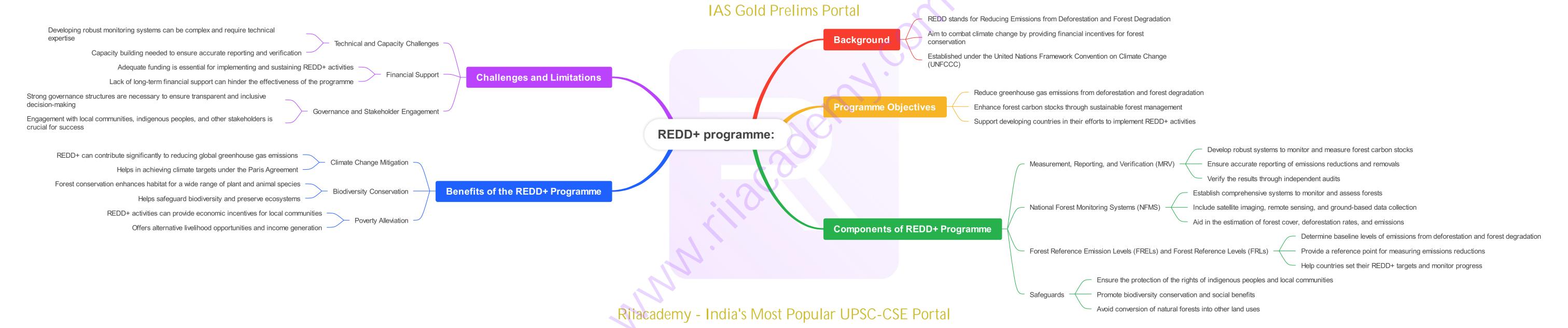
Recent political developments and India's role.

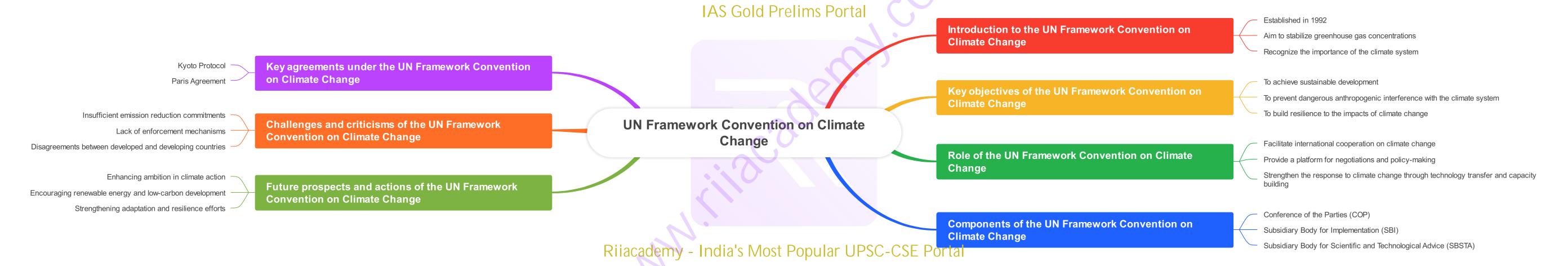
Potential areas for enhanced cooperation and future prospects.

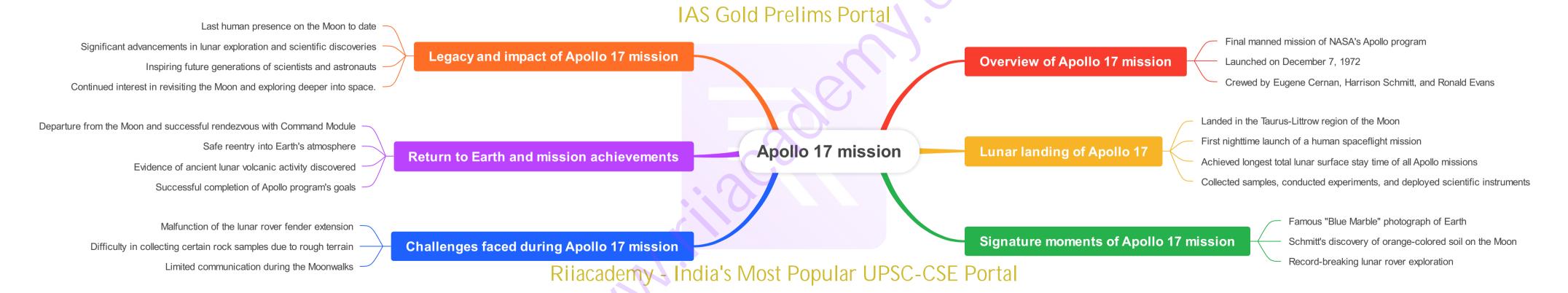
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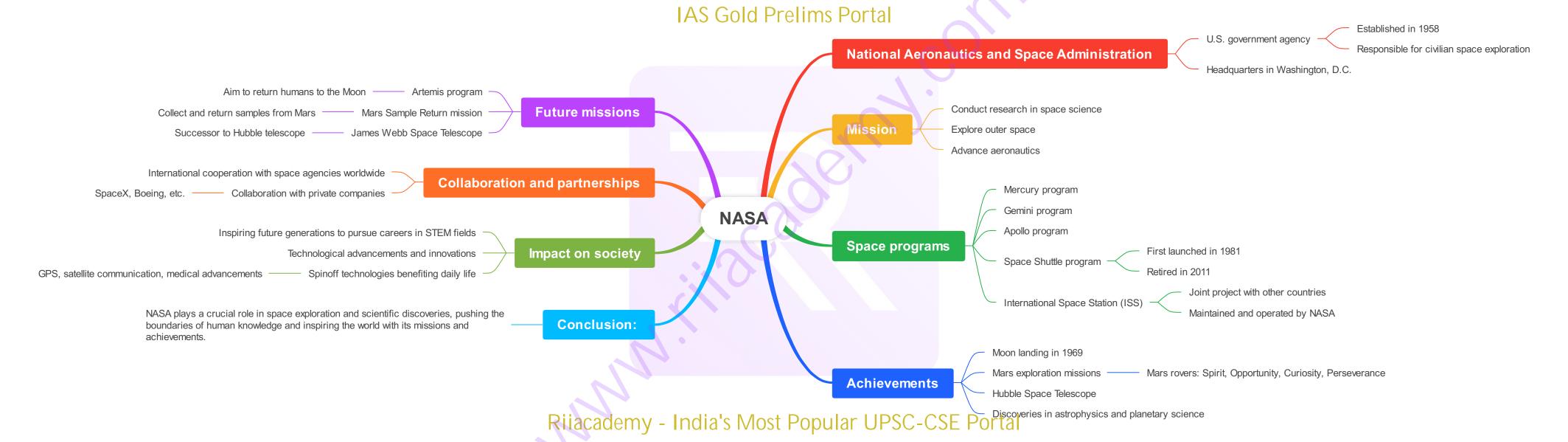












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He was born in the 18th century in present-day Chhattisgarh, India. Guru Ghasidas, also known as Guru Ghasi Das, was a spiritual leader and social reformer from India. spiritual enlightenment. Guru Ghasidas founded the Satnami community, a sect **Guru Ghasidas** that followed his teachings and principles. Guru Ghasidas composed several devotional songs and hymns, which are still revered by his followers today. His philosophy emphasized the importance of self-realization and spiritual Guru Ghasidas's teachings had a profound impact on development the society of his time and continue to inspire people today. compassionate world.

Guru Ghasidas was a proponent of equality, justice, and compassion for all beings.

He strongly believed in the abolition of caste discrimination and social inequalities.

Guru Ghasidas advocated for the upliftment of the downtrodden and marginalized communities.

The Satnami community aimed to create a society based on egalitarianism and

They rejected the hierarchical social structure prevalent in the Hindu caste system.

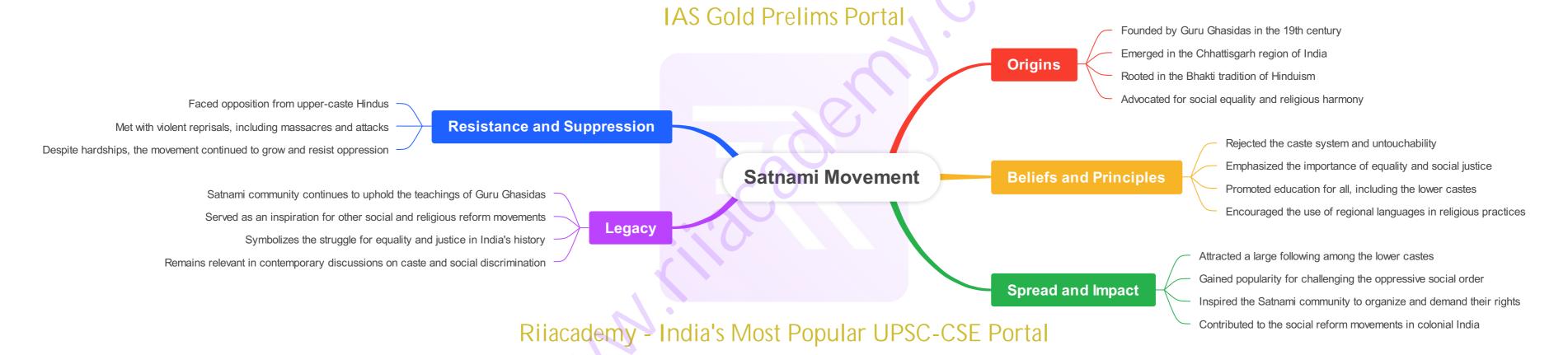
Satnamis considered all individuals as equal and encouraged inter-caste marriages.

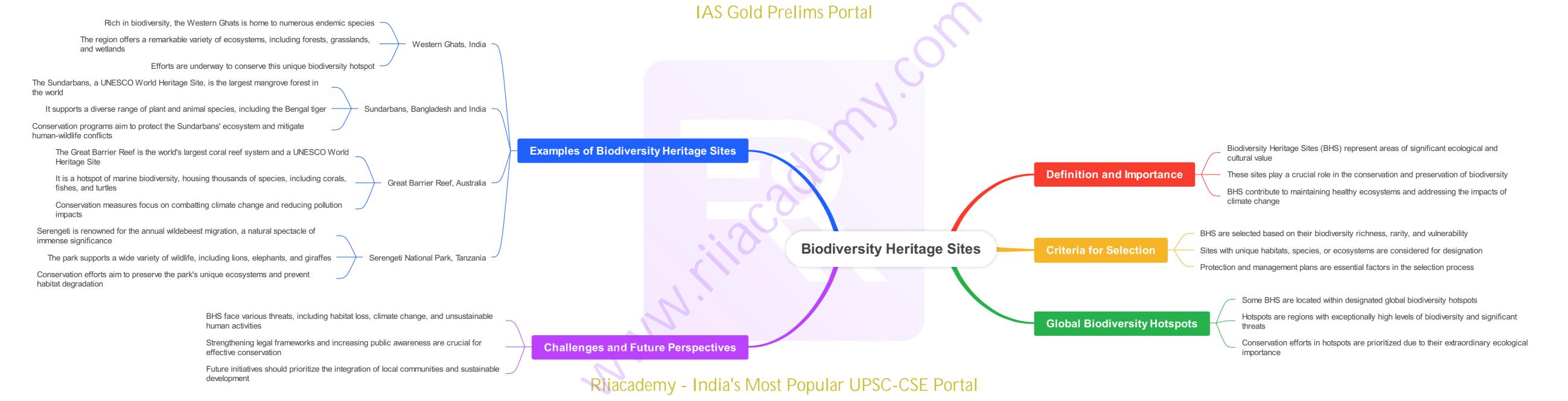
They promoted education and emphasized the importance of knowledge and wisdom.

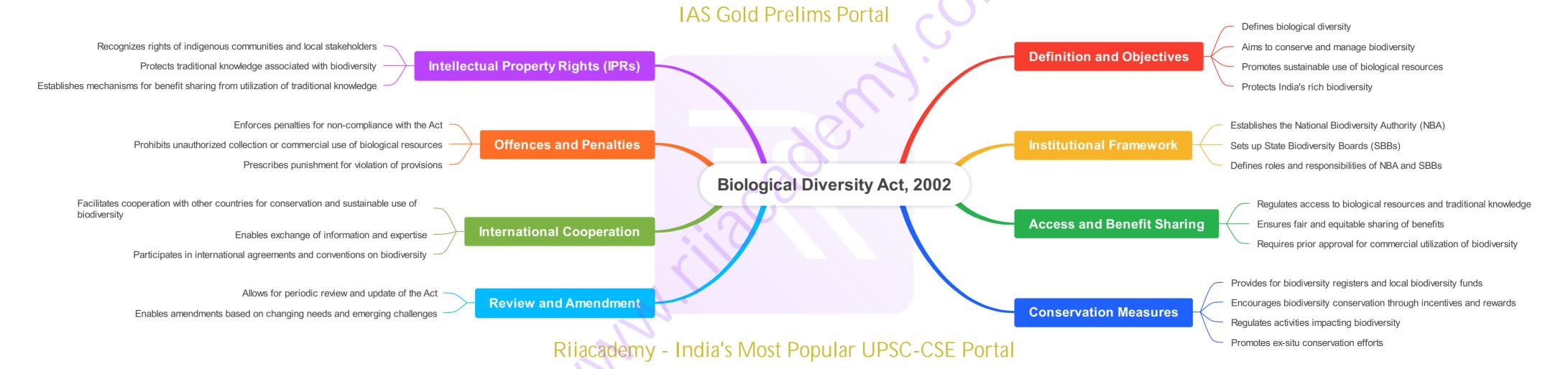
Guru Ghasidas's teachings continue to guide individuals in their guest for a just and

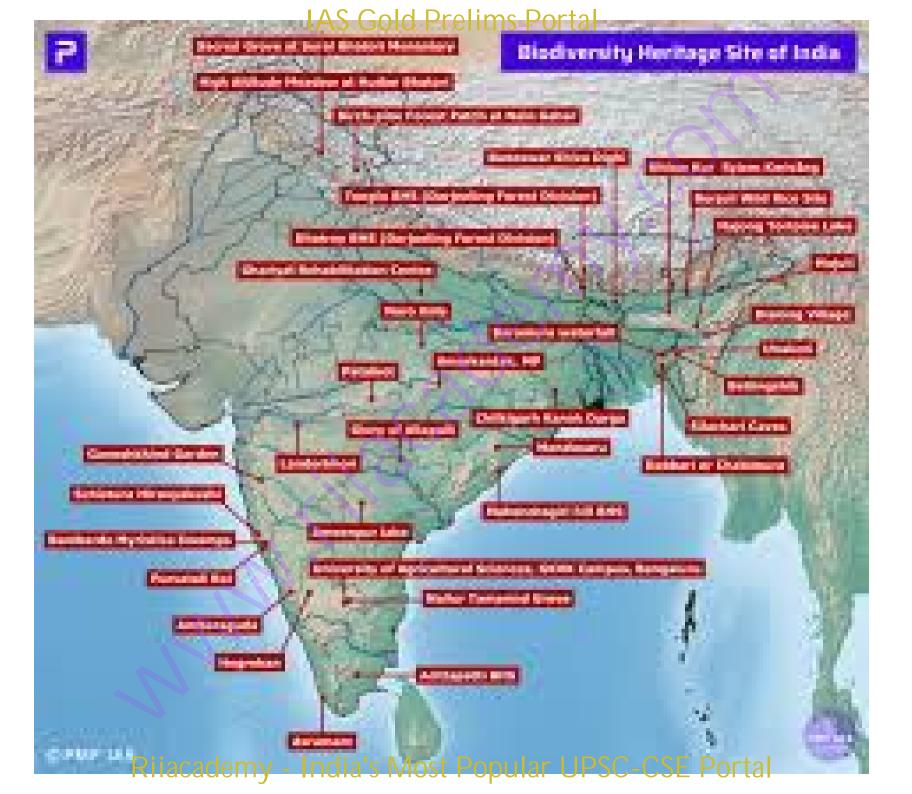
His principles of equality and social harmony are relevant in contemporary society.

Guru Ghasidas's legacy lives on through various institutions dedicated to promoting his teachings and ideals.

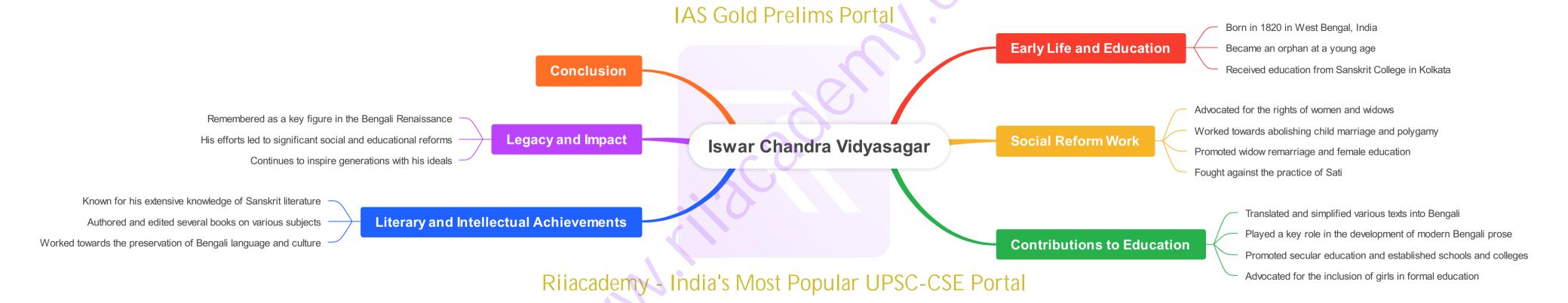


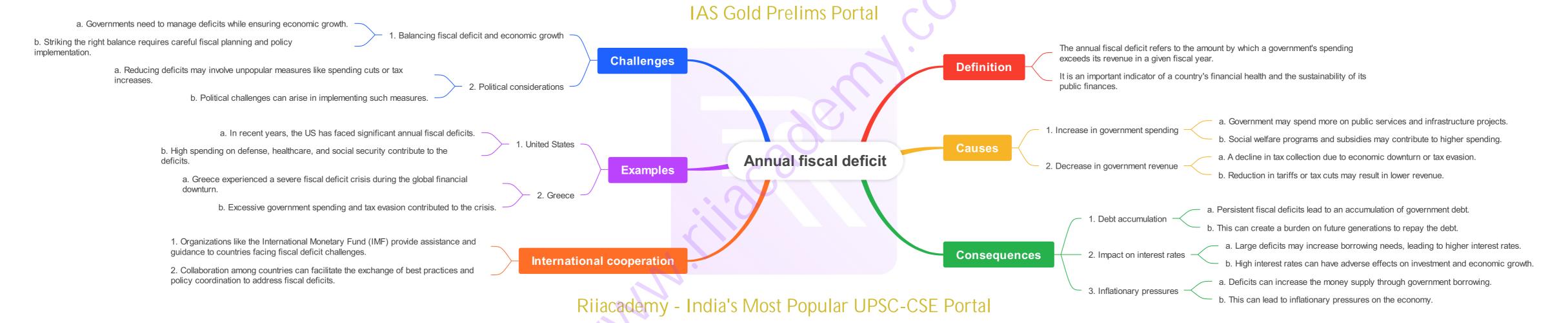


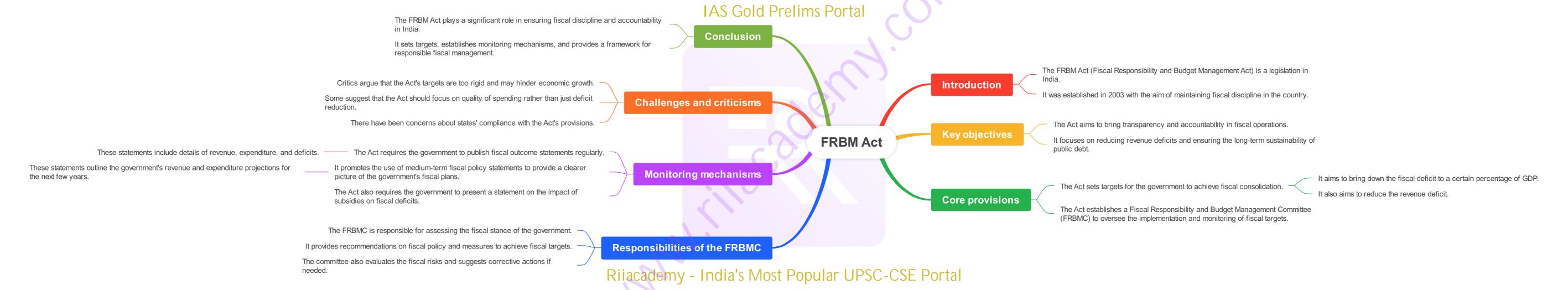


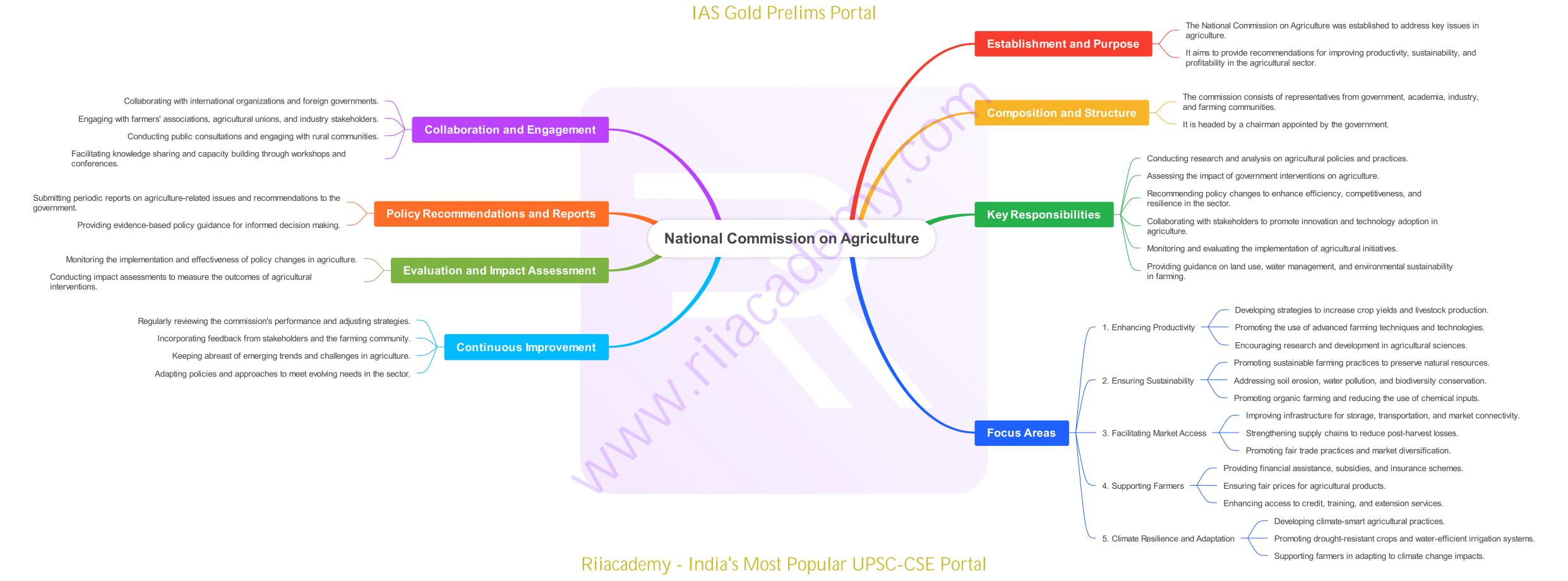


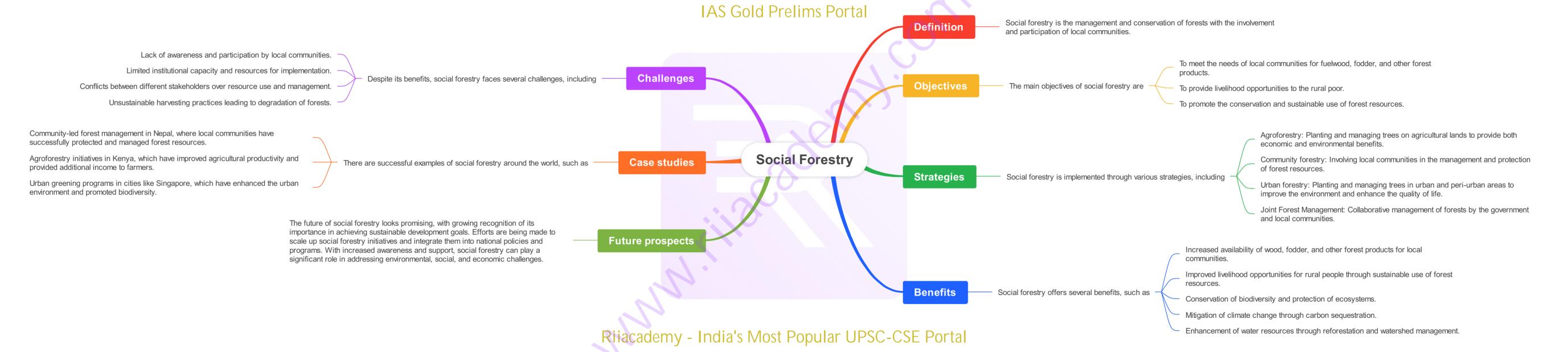
IAS Gold Prelims Portal Focused on education, literature, arts, and science Promoted social and cultural reforms Advocated for women's rights and equality Challenged traditional beliefs and practices Influenced by European Renaissance and Enlightenment thinkers Inspired by Western ideals and Enlightenment philosophy Aimed to modernize Bengal society Emphasized rationality, scientific inquiry, and secularism Pioneer of the Bengal Renaissance Raja Ram Mohan Roy Promoted women's education, widow remarriage, and social reforms Cultural and intellectual movement in Bengal during Advocated for religious reform and abolition of Sati the late 19th and early 20th centuries Nobel laureate poet, writer, and philosopher Key figures and contributions Rabindranath Tagore Established Visva-Bharati University Popularized Bengali literature and cultural traditions Promoted Hindu spiritual philosophy in the West Swami Vivekananda Emphasized the unity of religions and the divinity of mankind **Bengal Renaissance** Founded the Ramakrishna Mission Revitalized Bengal's cultural and intellectual landscape Laid the foundation for the Indian independence movement Impact and legacy Contributed to the rise of modern Bengal and India Continues to inspire generations with its progressive ideas and contributions. Ruacagemy - Ingra's iviost Popular UPSC-CSE Portal

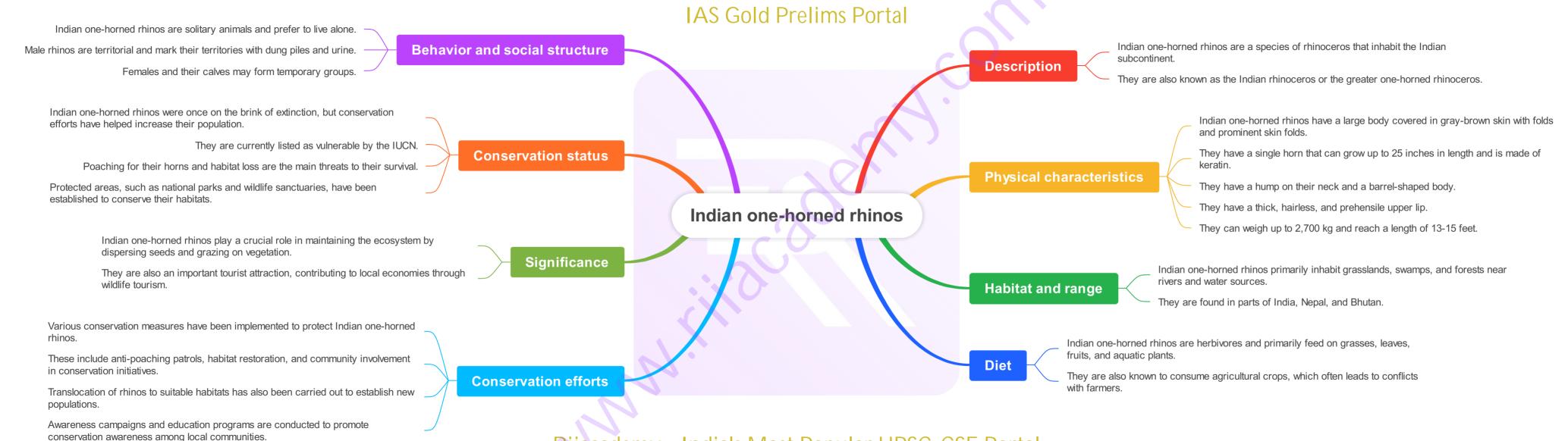


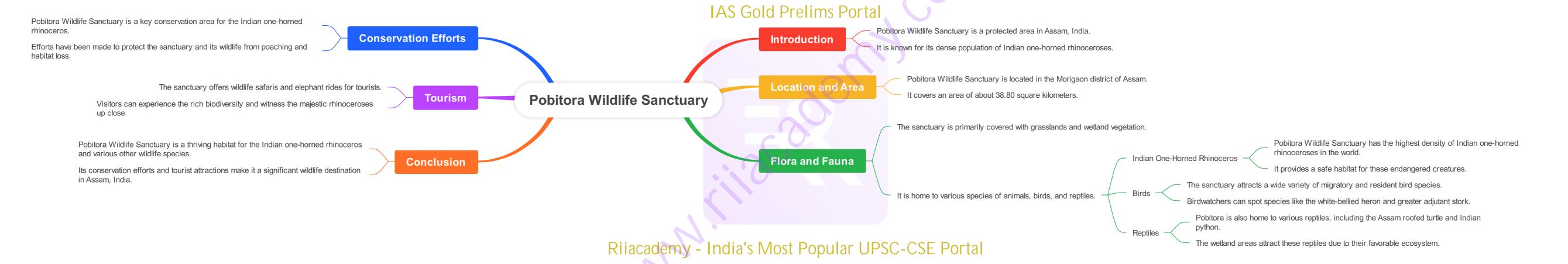




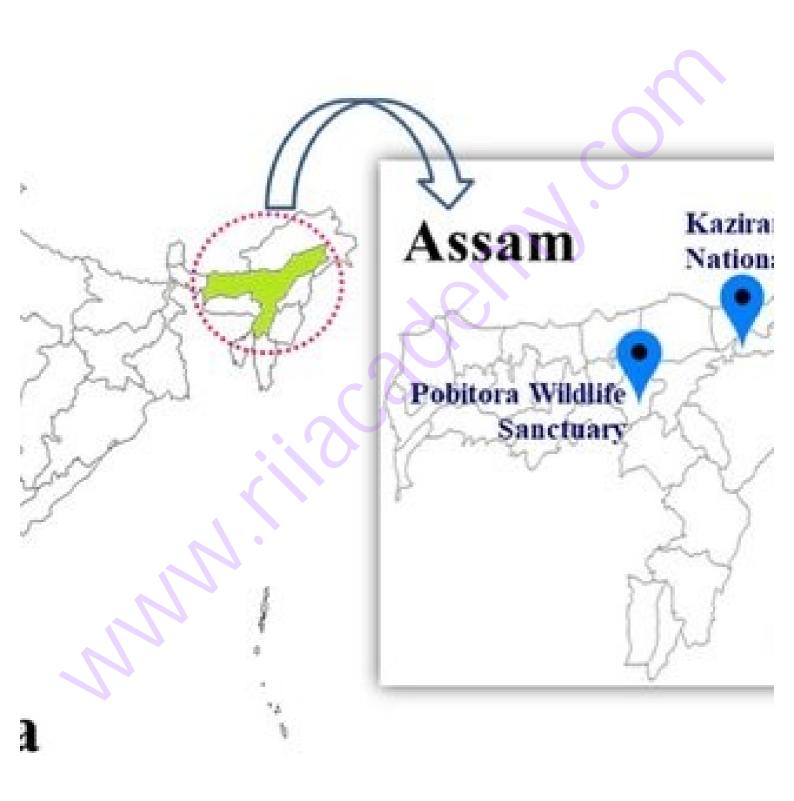


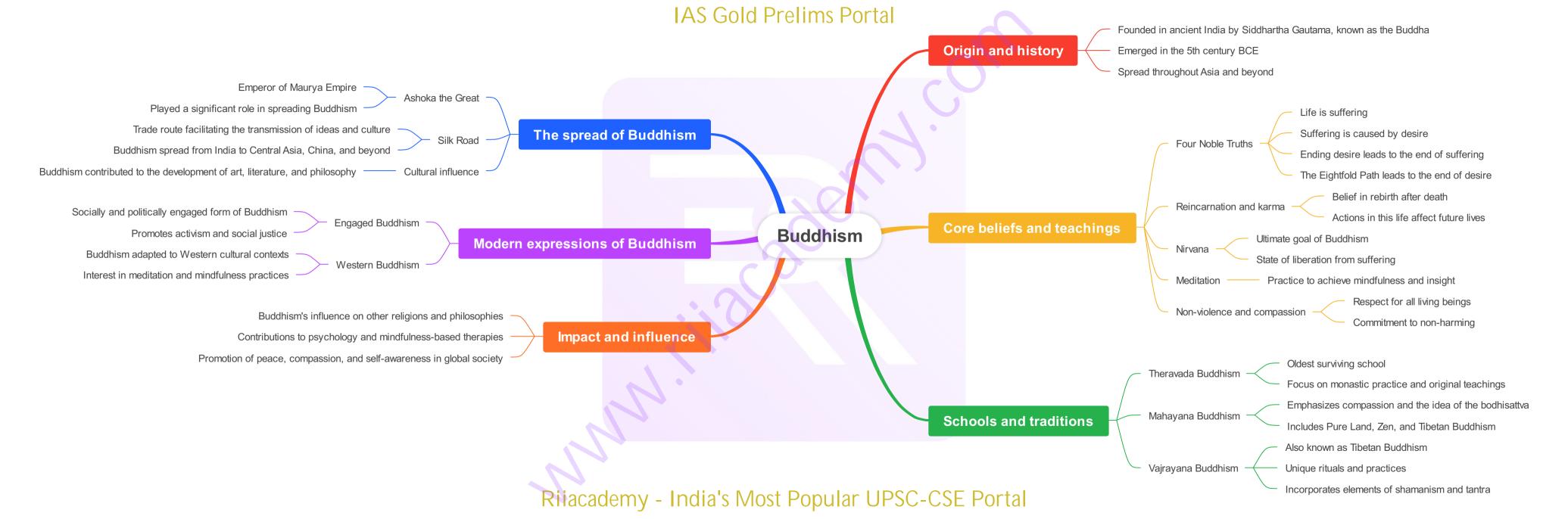


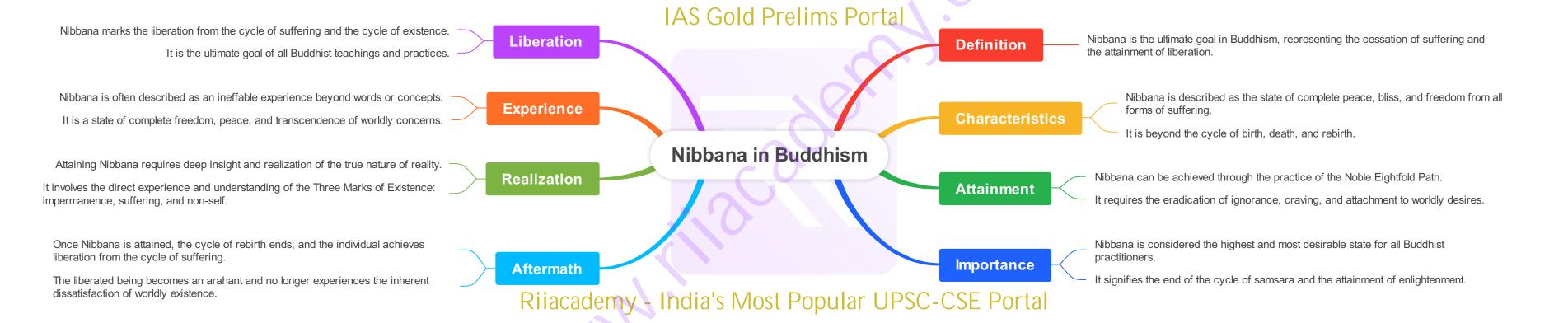


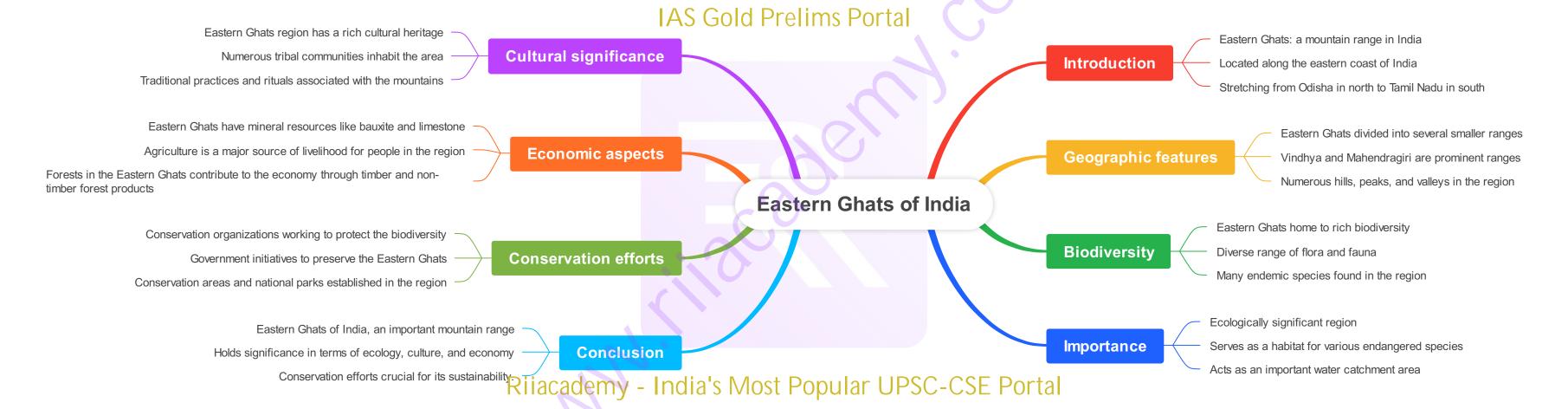


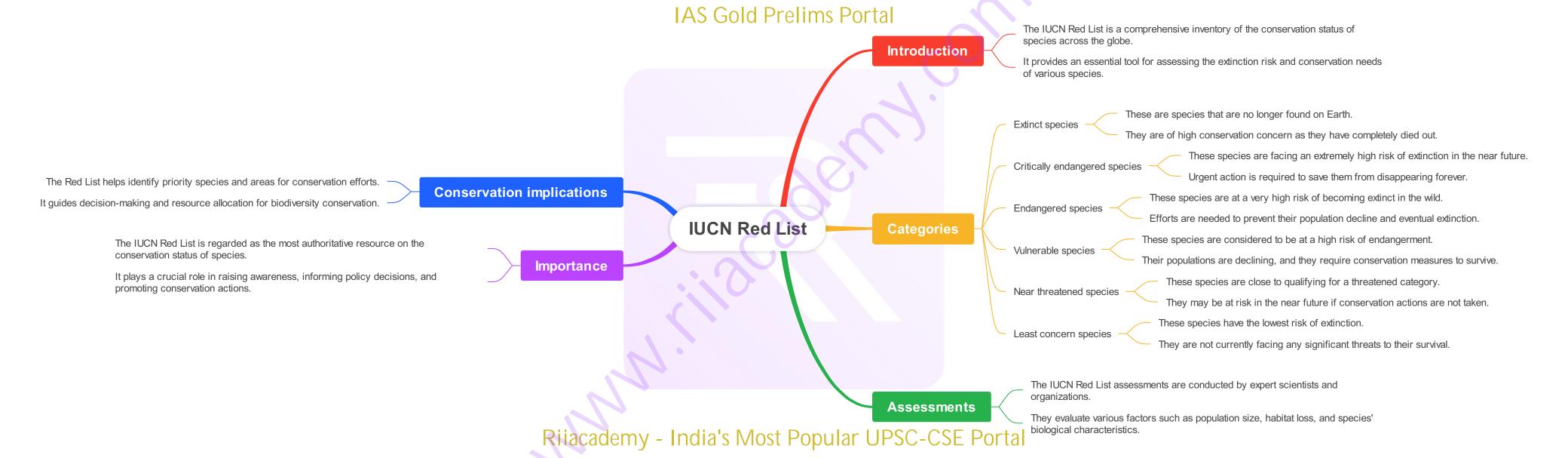
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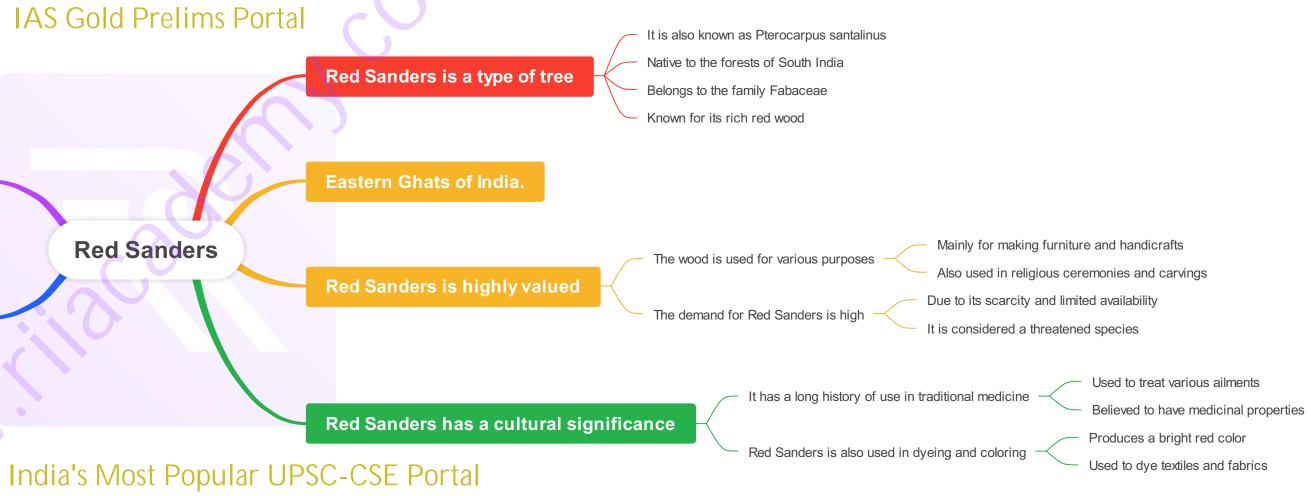




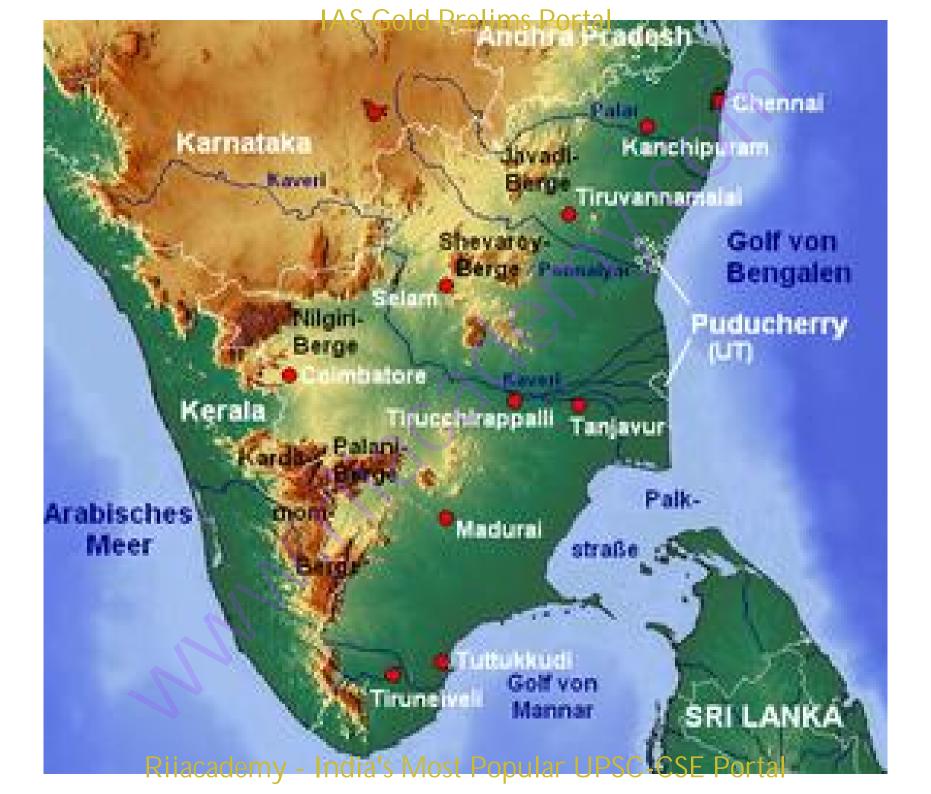


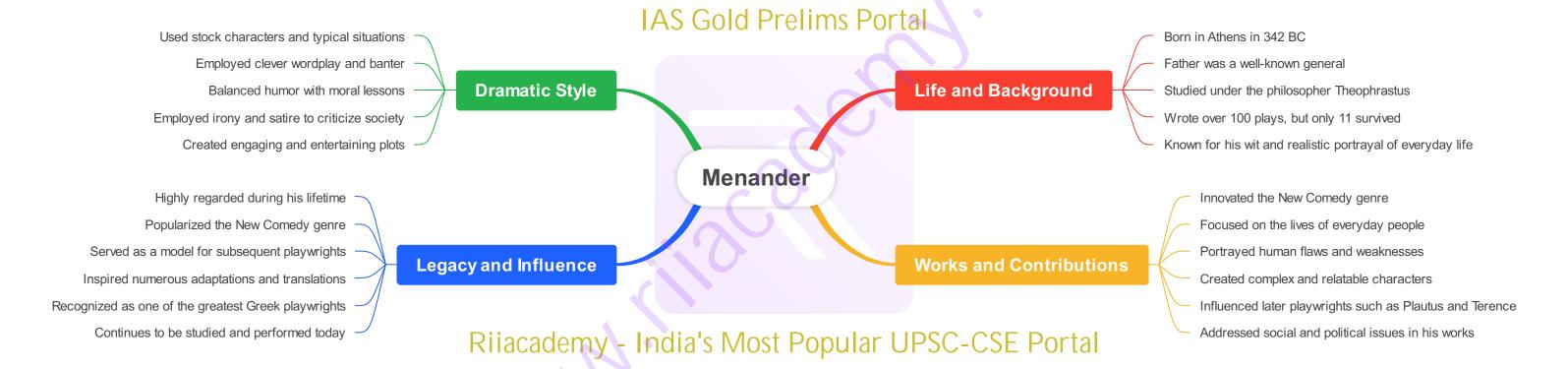
Overall, Red Sanders is a valuable tree species, prized for its wood, cultural significance, and ecological importance. Efforts are being made to protect and conserve this endangered species.

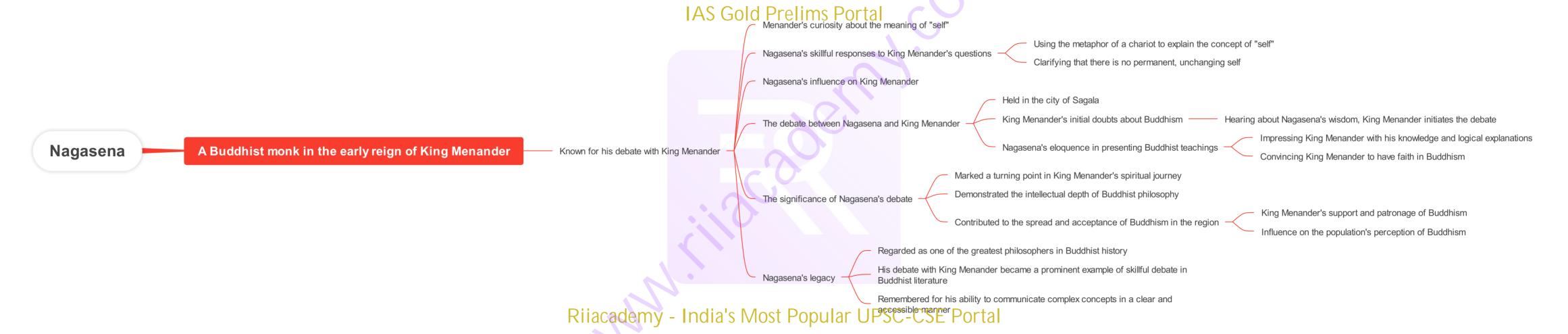
Illegal felling and smuggling are common It is listed as a protected species Strict measures are taken to prevent illegal trade Red Sanders is protected under the law Tree plantations are established Conservation efforts are in place Conservation awareness programs are conducted

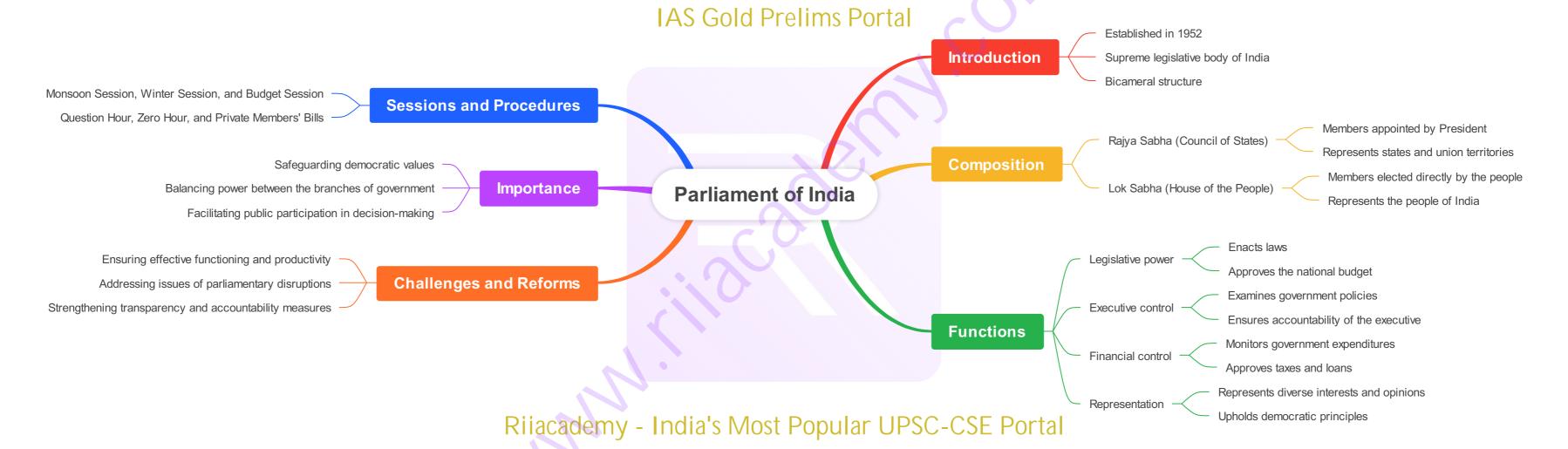












Played a significant role in India's struggle for independence Actively involved in various underground activities against the British Raj Fought for land reforms and improved labor conditions Advocate for the rights of peasants and workers — Represented the concerns of marginalized sections of society Served as a Member of the Lok Sabha Indian Bengali politician and freedom fighter Elected as a Member of Parliament several times Contributed to legislative discussions on national issues Promoted education among the masses Scholar and educationist Established educational institutions in rural areas Remembered as a pioneer in the fight for social justice Legacy and recognition Honored with several awards for his contributions

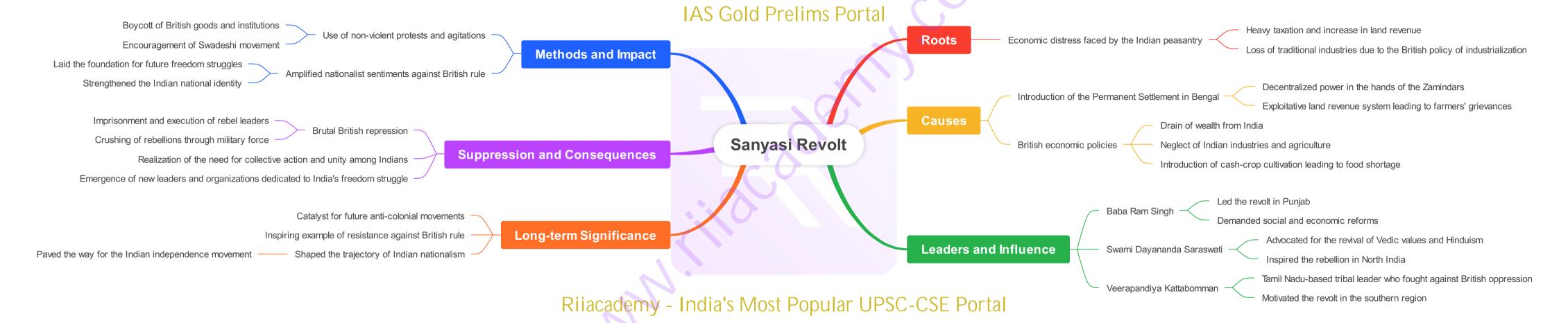
Continue to inspire generations with his ideals and achievements

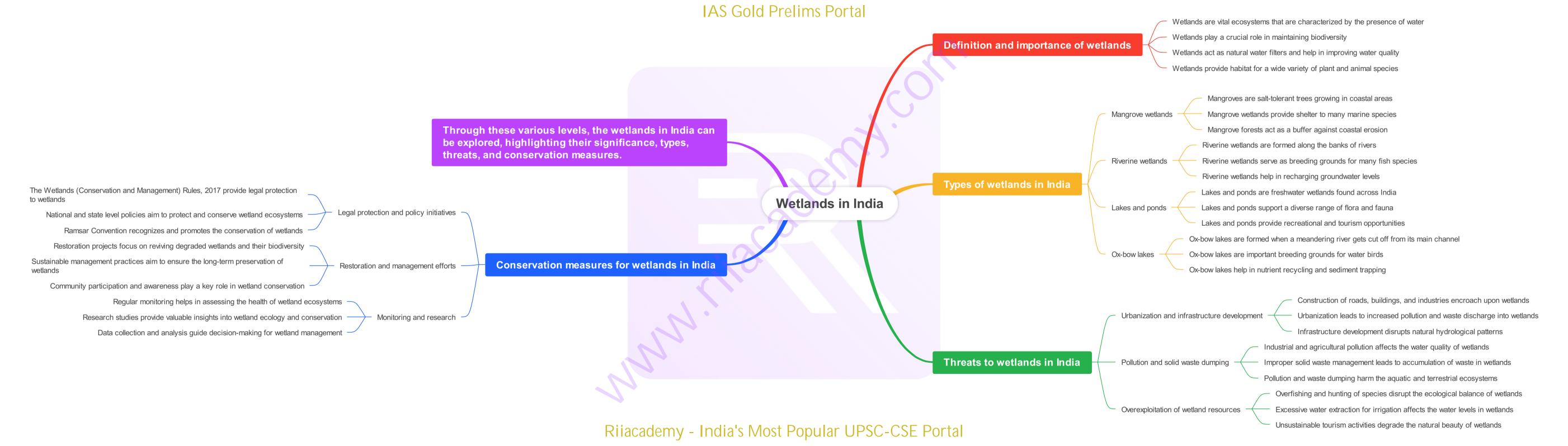
Pandit Bhabani Charan Pathak

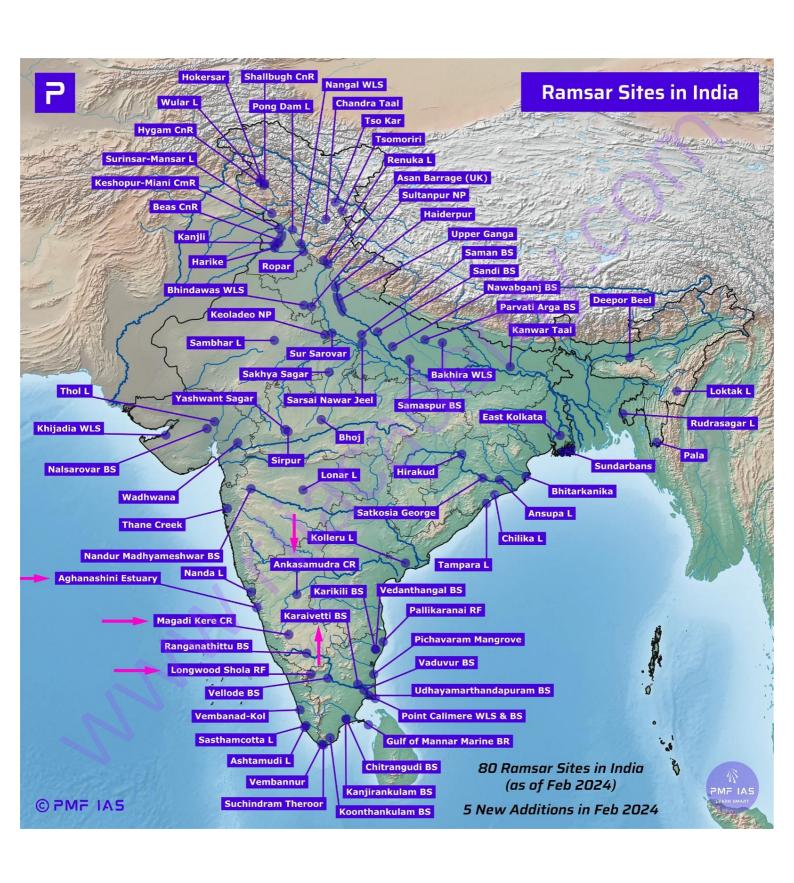
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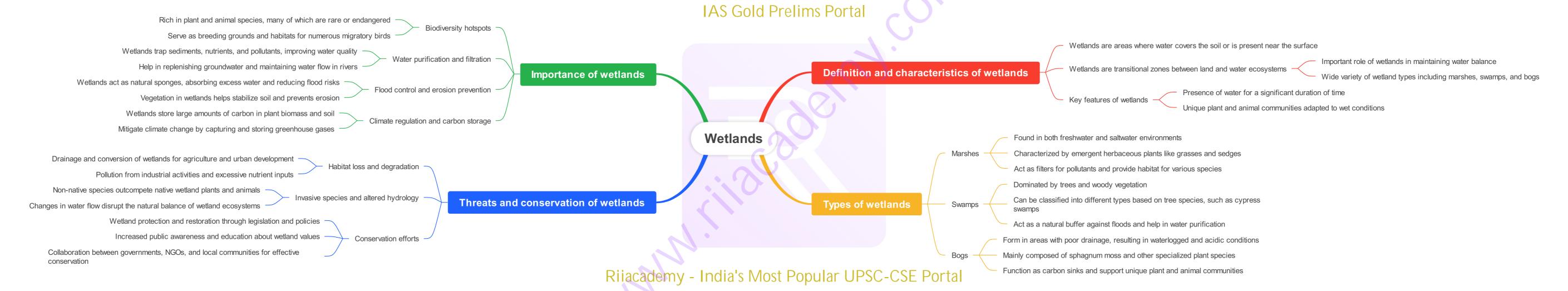
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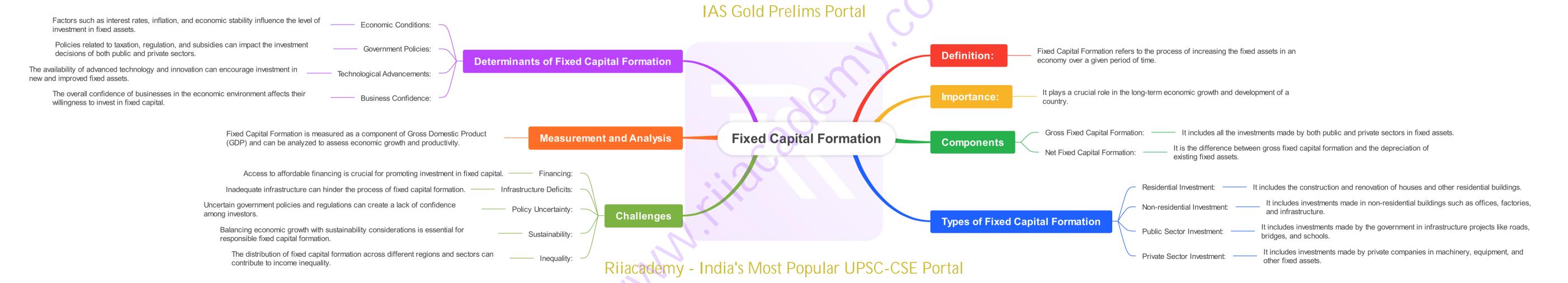
Joined the Indian National Congress

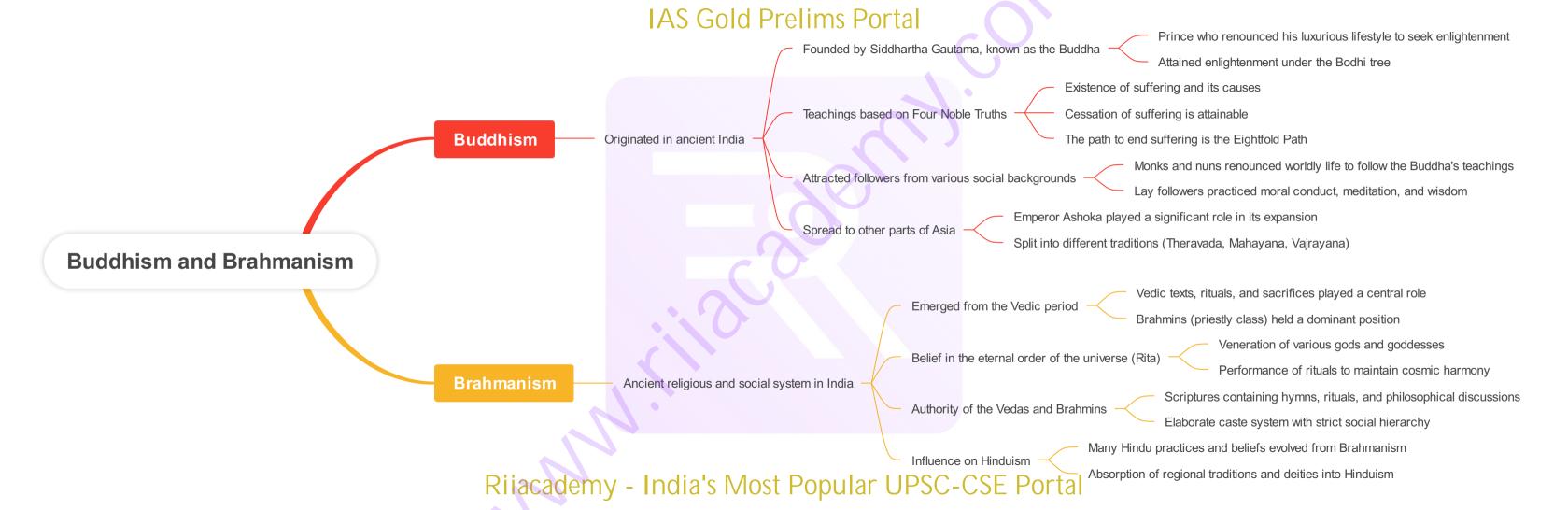




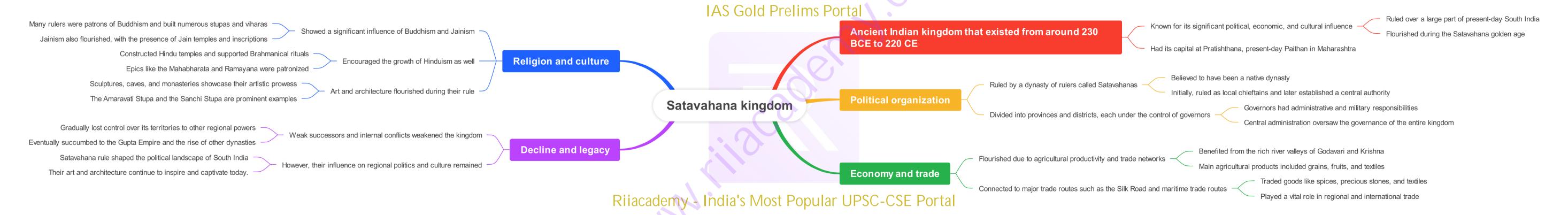


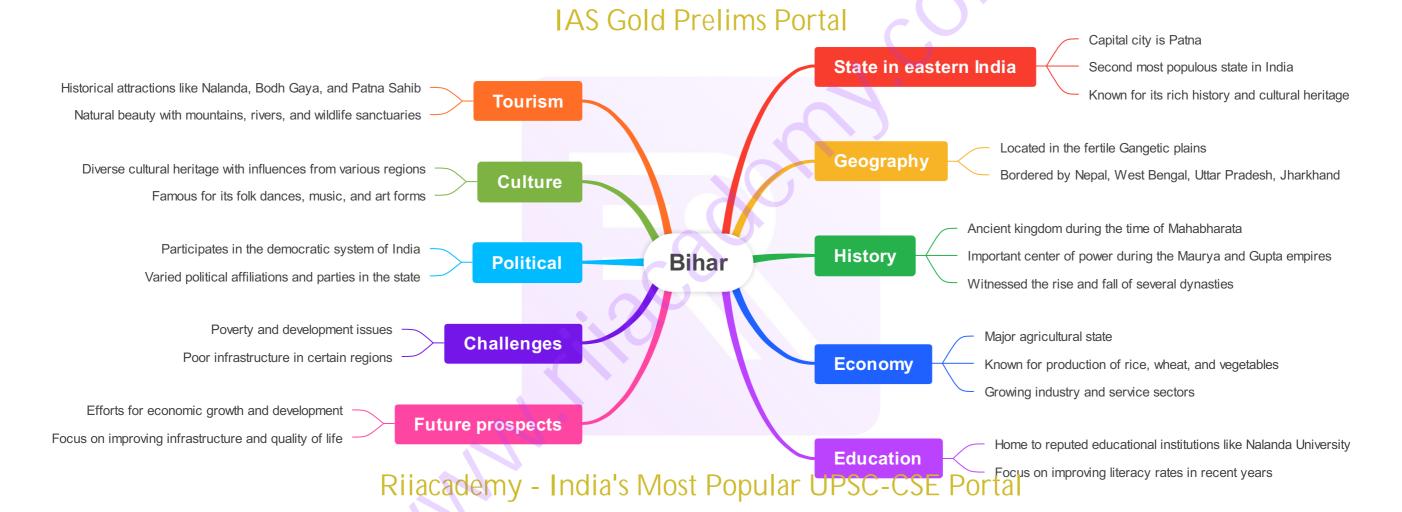




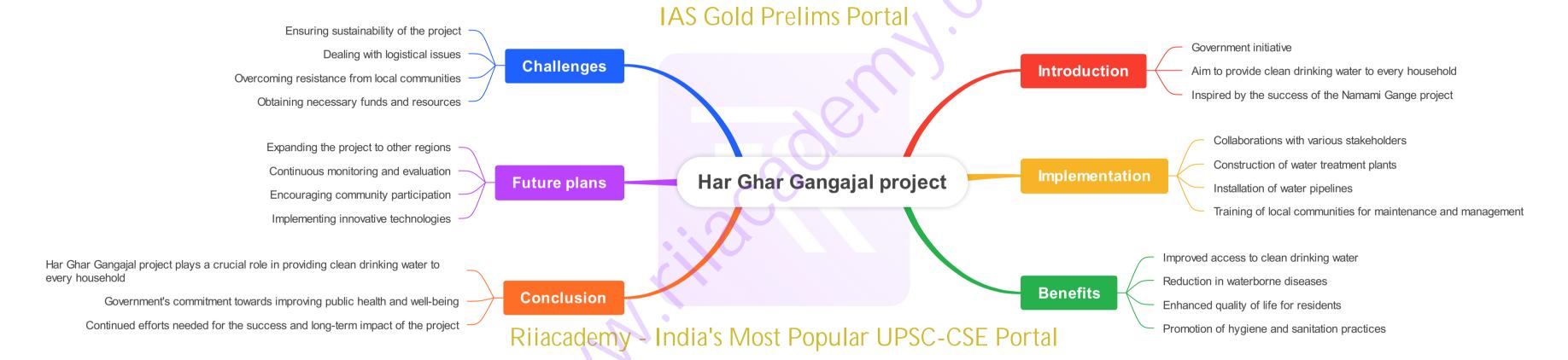


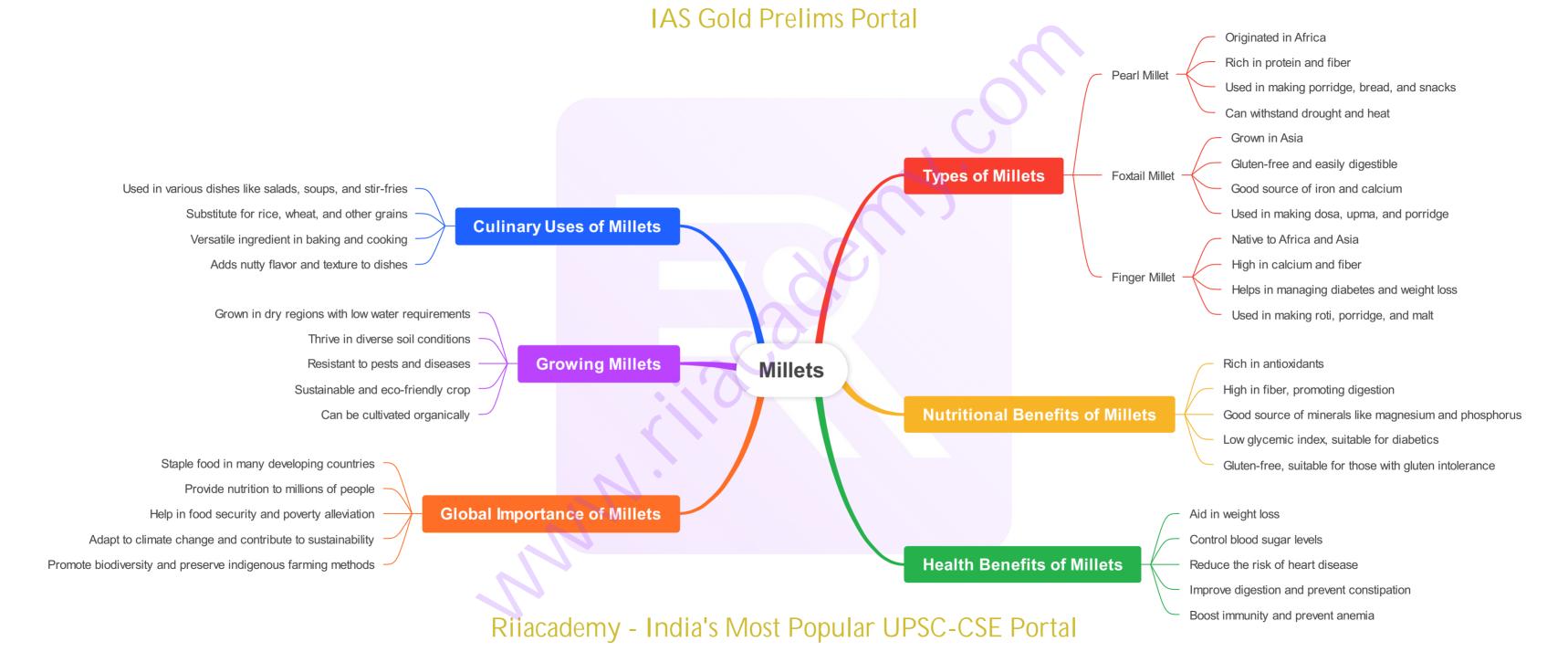




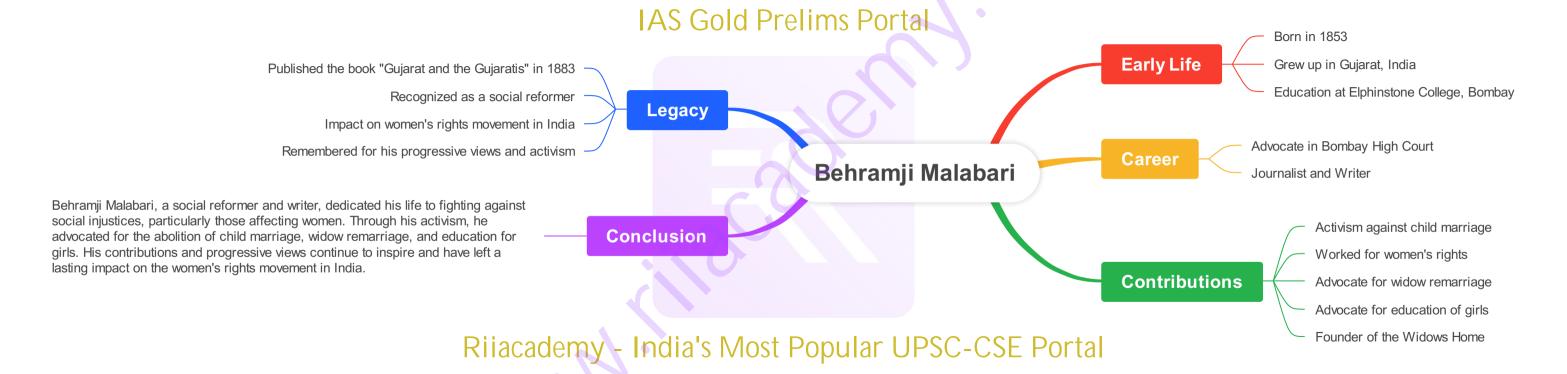


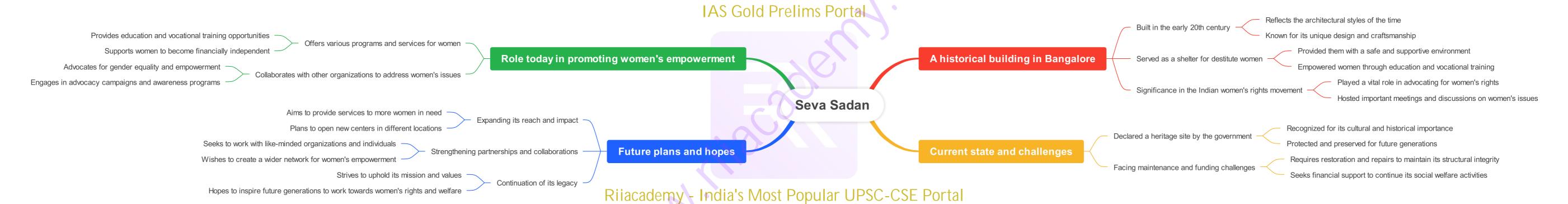


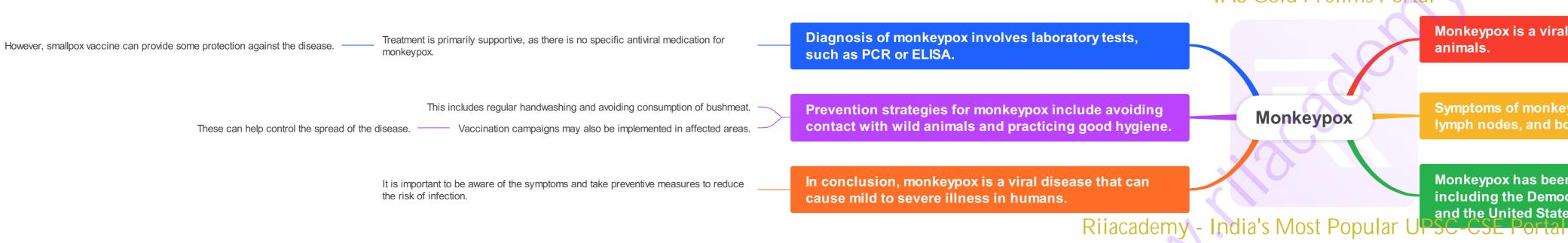




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Monkeypox typically causes a mild illness in humans, resembling smallpox.

Symptoms of monkeypox include fever, rash, swollen lymph nodes, and body aches.

Monkeypox has been reported in various countries, including the Democratic Republic of Congo, Nigeria, and the United States.

The rash usually starts on the face and then spreads to other parts of the body.

Although rare, monkeypox can occasionally cause severe illness and even death.

Outbreaks are often linked to close contact with infected animals, such as rodents or primates.

The disease can also spread from person to person through respiratory droplets. ——— This makes it a potential public health concern.

The virus is believed to have originated from rodents and monkeys in Africa.

The primary mode of transmission is through direct contact with infected animals or

