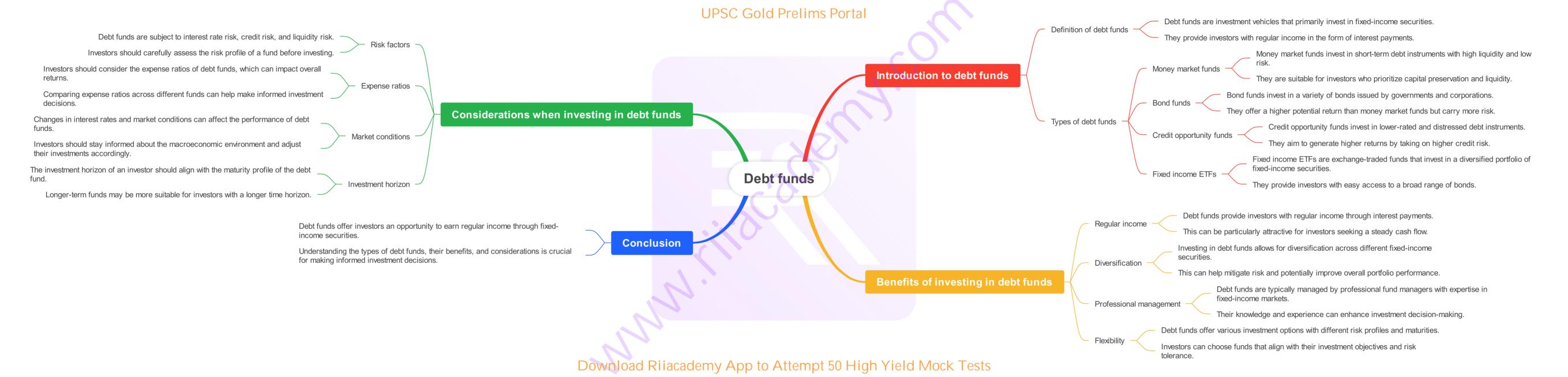


Download Rijacademy App to Attempt 50 High Yield Mock Tests



Despite these challenges, infrastructure funds continue to play a crucial role in financing and managing public infrastructure projects around the However, infrastructure funds also face risks and challenges. Infrastructure funds can generate returns for investors through a combination of income from project operations and capital appreciation. Governments often collaborate with infrastructure

funds to attract private sector investment in

infrastructure projects.

They require extensive due diligence to assess the viability and risks associated with

Infrastructure assets can be subject to operational, regulatory, and market risks that

The long-term nature of infrastructure investments may pose liquidity challenges for

Political and policy uncertainties can also impact the investment environment for

The stability and predictable cash flows of infrastructure projects are attractive to

This public-private partnership model allows governments to leverage private sector

Additionally, infrastructure funds may benefit from government subsidies or

infrastructure projects.

can affect project returns.

long-term investors seeking stable returns.

guarantees that enhance their returns.

infrastructure funds.

expertise and capital.

They pool together capital from various investors, such as pension funds, insurance companies, and sovereign wealth funds.

The investments made by infrastructure funds can help address the funding gap for public infrastructure projects.

Infrastructure funds also play a role in promoting economic growth and job creation.

The funds are typically managed by professional investment firms with expertise in infrastructure investments.

Infrastructure funds invest in a wide range of infrastructure sectors, including transportation, energy, utilities, and social infrastructure.

They provide long-term capital that can support the development and maintenance of essential infrastructure assets.

These firms analyze and assess potential infrastructure projects to determine their feasibility and potential returns.

Once a project is identified, the funds provide the necessary financing to develop and operate the infrastructure.

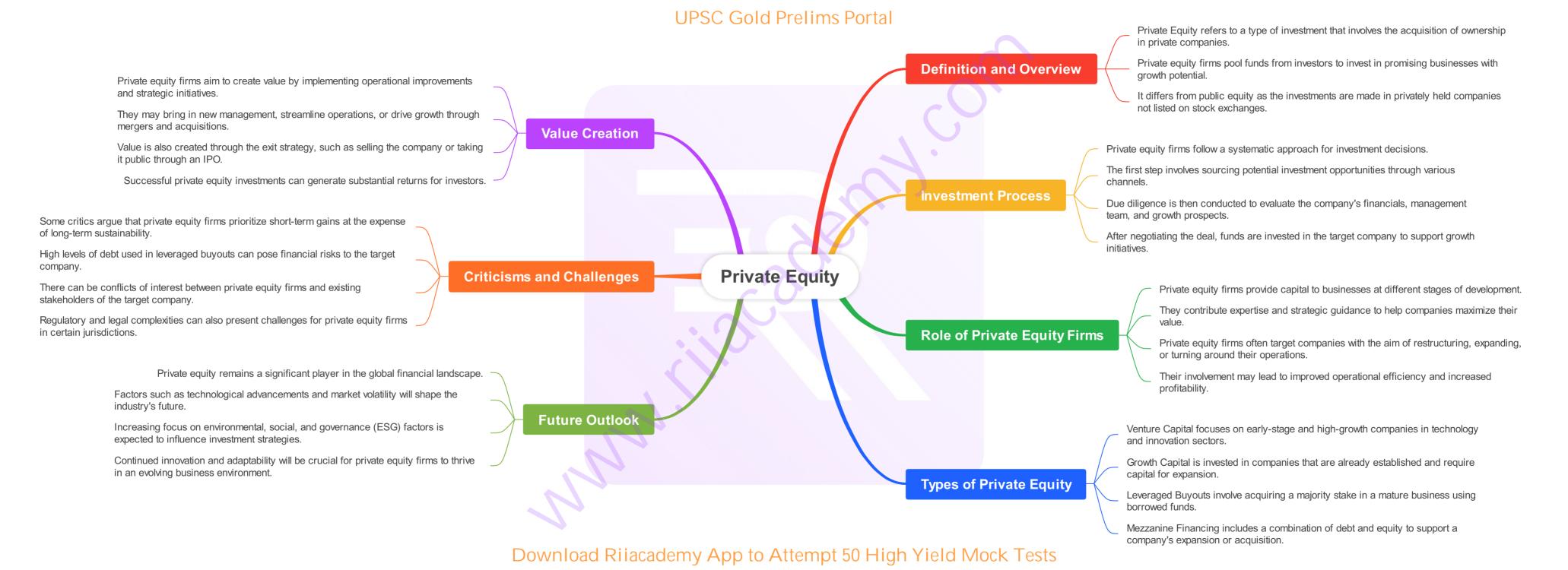
Download Rijacademy App to Attempt 50 High Yield Mock Tests

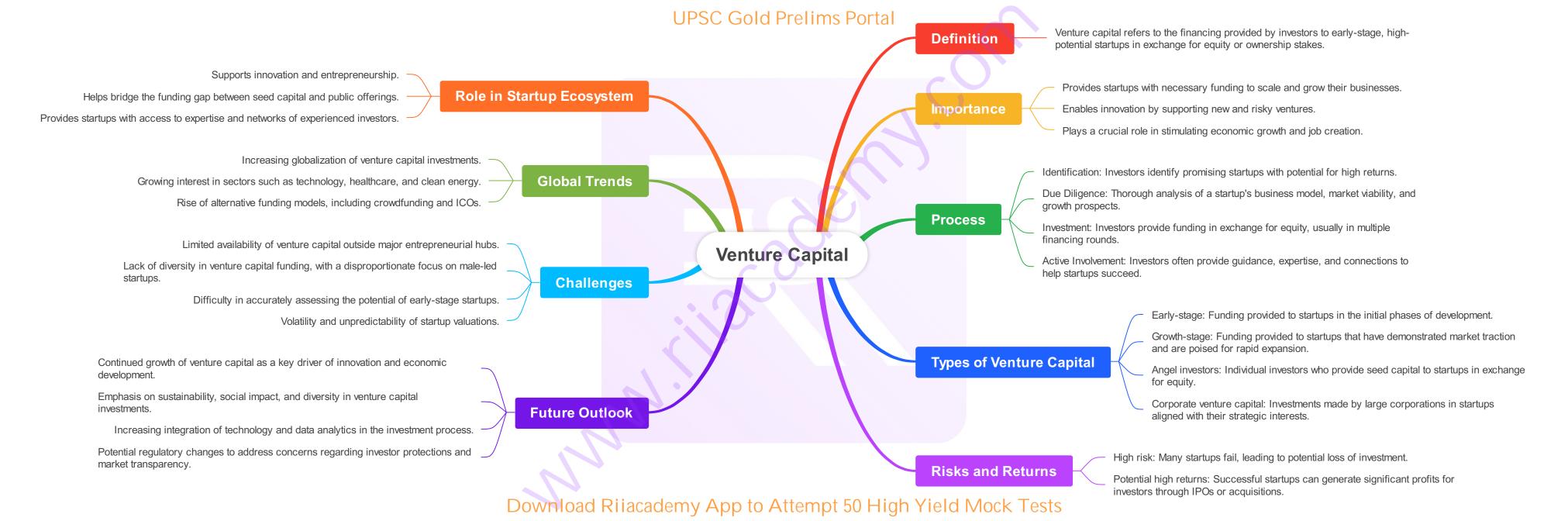
UPSC Gold Prelims Portal

Infrastructure funds are investment

vehicles that focus on financing and

managing public infrastructure projects.





UPSC Gold Prelims Portal

history.

Battle of Muktsar

Despite being heavily outnumbered, the Sikh warriors fought with unwavering determination and skill.

In the end, the Mughal forces were forced to retreat,

The battle marked a turning point in Sikh history and played a crucial role in the establishment of the Sikh Khalsa, a military and political organization.

It took place on December 29, 1705, during the turbulent times of the Mughal-Sikh The Battle of Muktsar was a significant event in Sikh

The battle occurred at the town of Muktsar in present-day Punjab, India.

The main cause of the Battle of Muktsar was the refusing to convert to Islam.

Mughal emperor Aurangzeb's persecution of the Sikhs. This led to widespread resentment among the Sikh community and heightened

Guru Gobind Singh, the tenth Sikh Guru, called upon his followers to stand up against the oppression and defend their faith.

The battle was fought between a small group of Sikh warriors led by Guru Gobind Singh and the Mughal forces.

The Sikh warriors were heavily outnumbered but fought valiantly to defend their faith.

Aurangzeb had ordered the execution of Guru Tegh Bahadur, the ninth Sikh Guru, for

tensions between the Sikhs and the Mughals.

— He organized a small group of devoted Sikhs to fight against the Mughals.

Guru Gobind Singh himself displayed exceptional bravery and leadership during the

The Battle of Muktsar was a significant morale booster for the Sikh community. and the Sikhs emerged victorious. It showcased their courage, resilience, and the strength of their faith. It strengthened the Sikh resistance against Mughal tyranny.

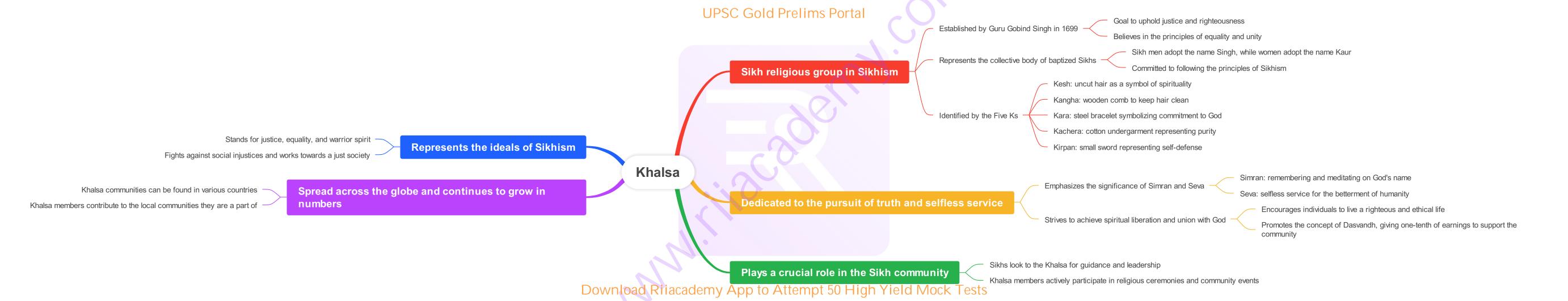
They used their superior knowledge of the terrain to their advantage.

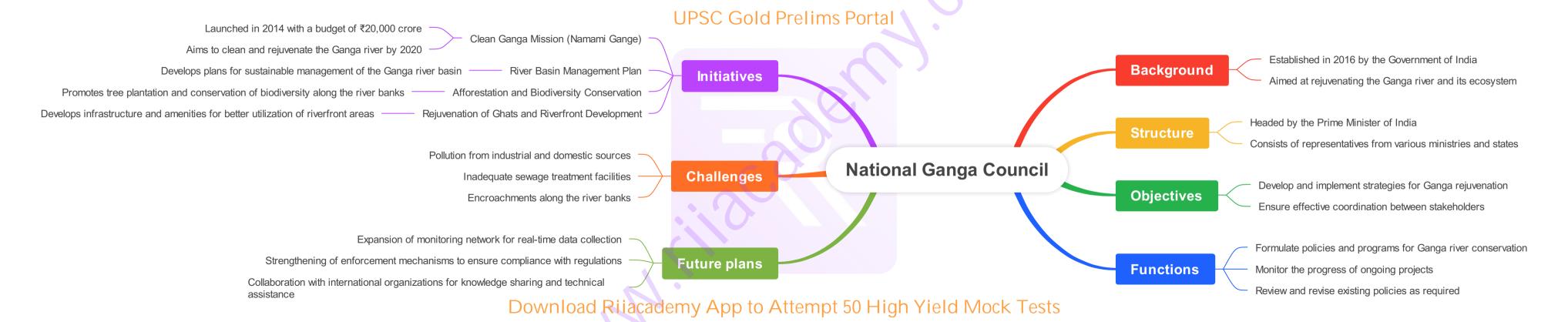
The battle lasted for several hours, with both sides inflicting heavy casualties on each

The Battle of Muktsar is remembered as a symbol of Sikh valor and the continued

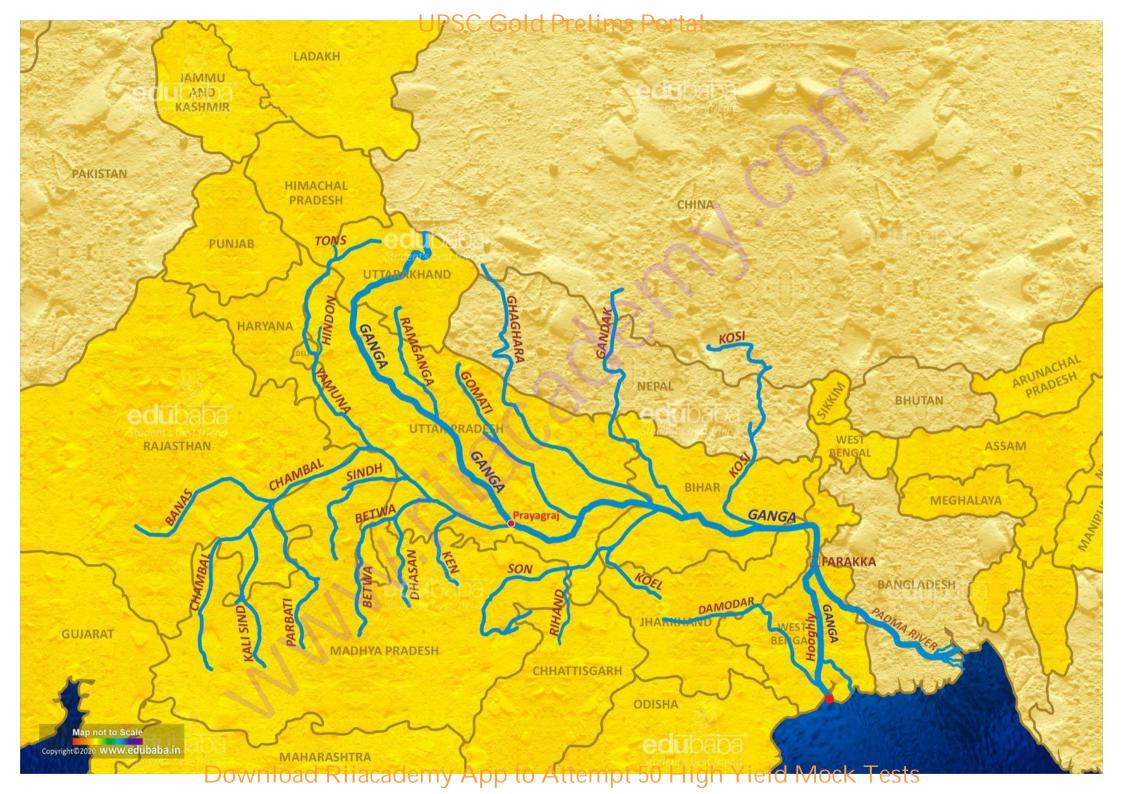
struggle for freedom and justice.

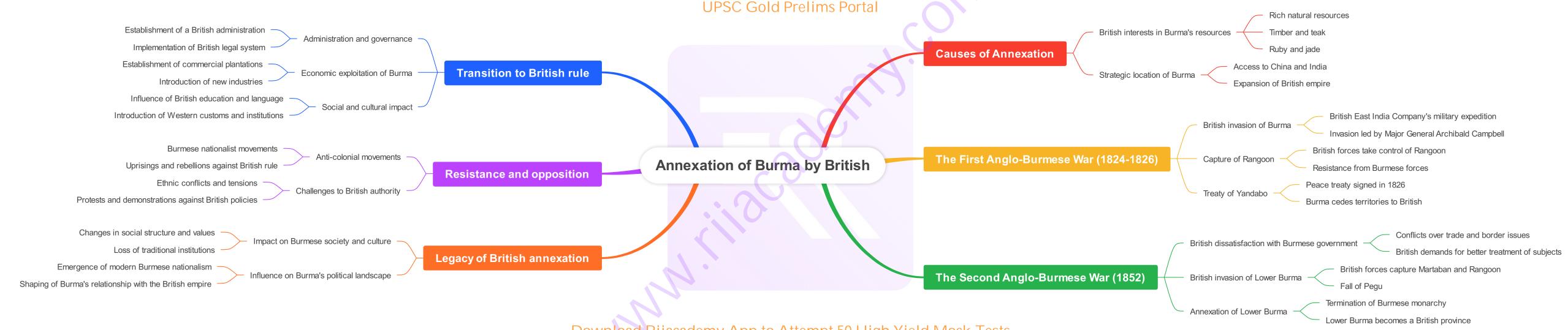




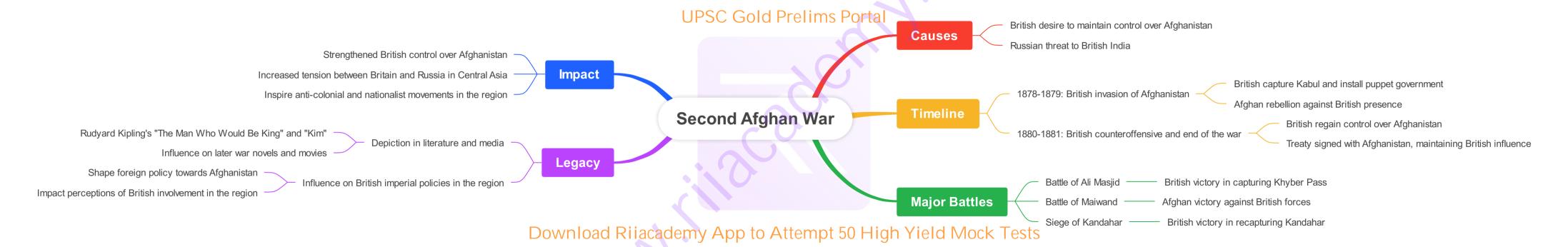










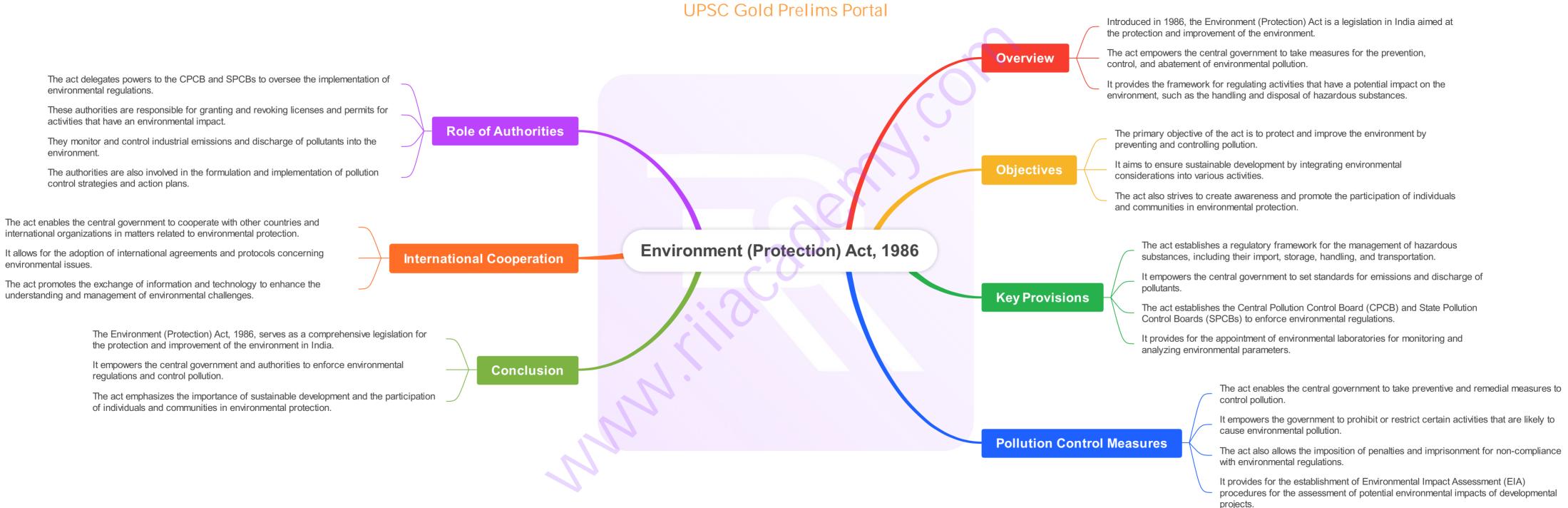


UPSC Gold Prelims Portal

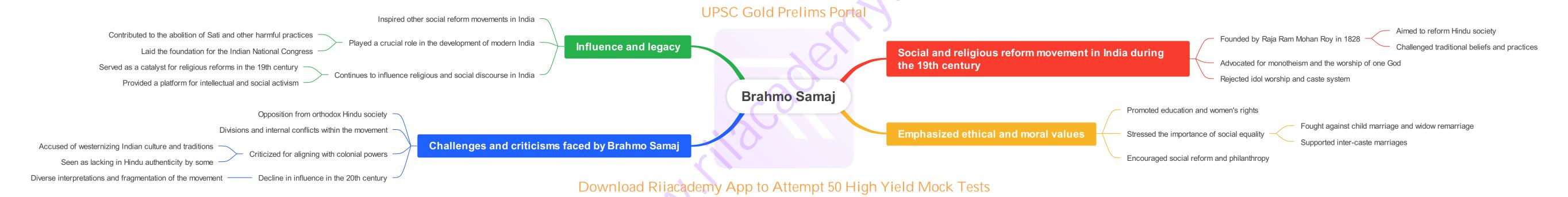


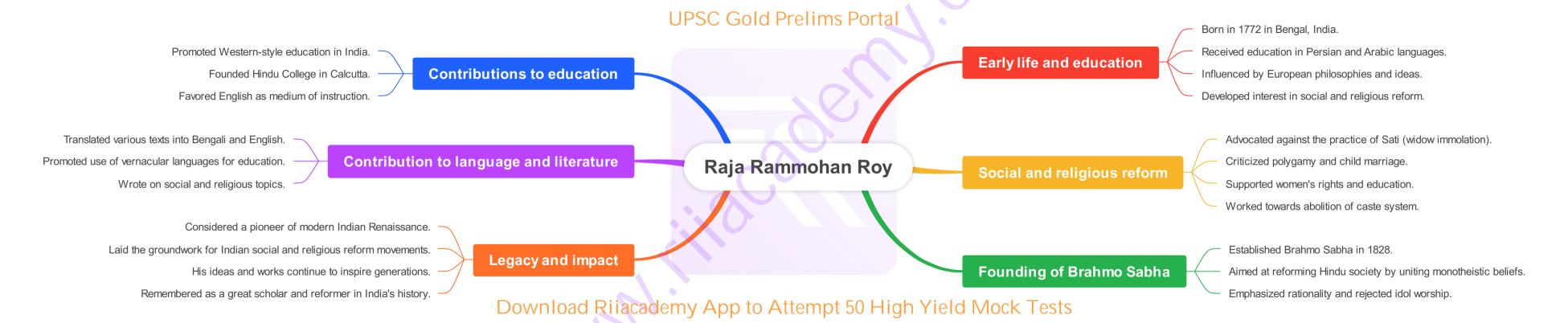
Download Riiacademy App to Attempt 50 High Yield Mock Tests

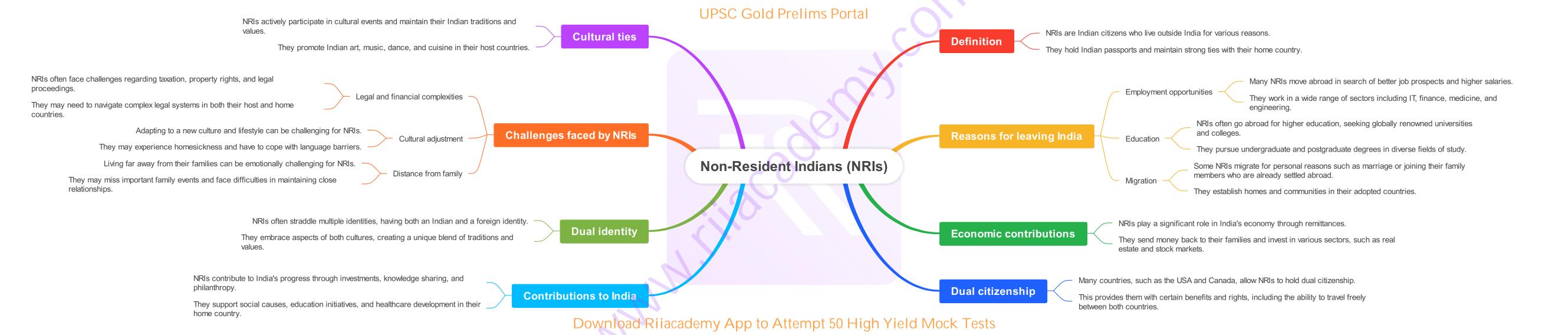


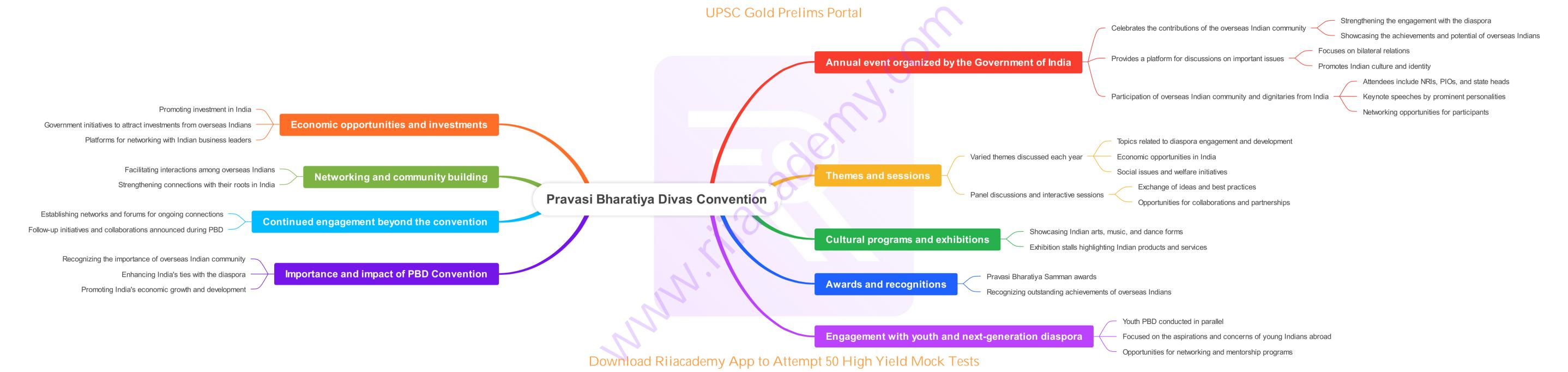


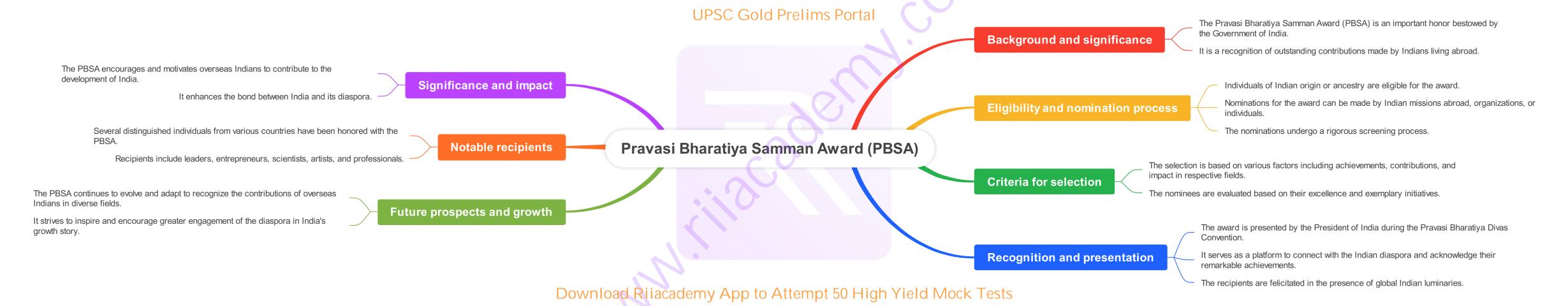


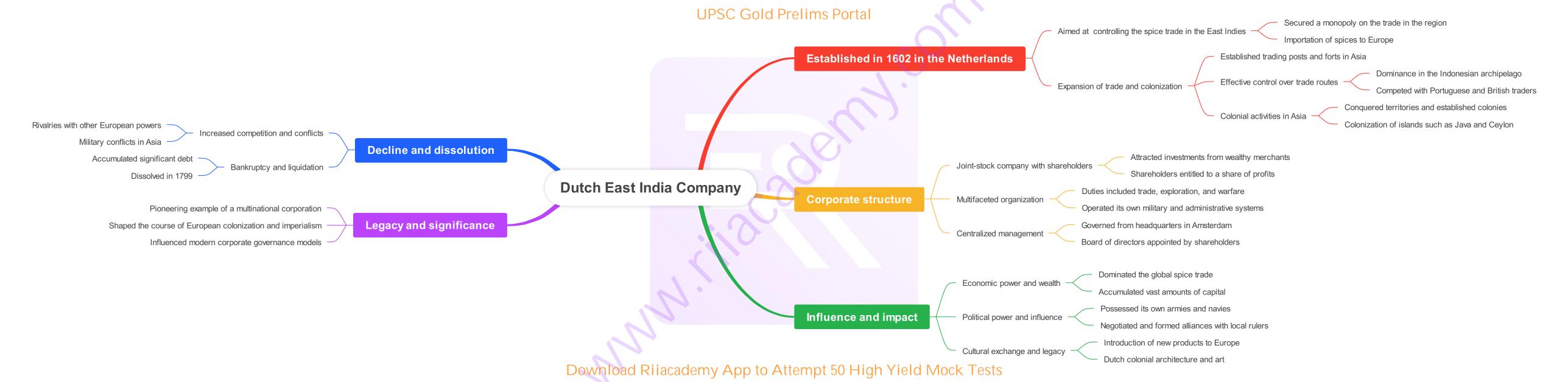


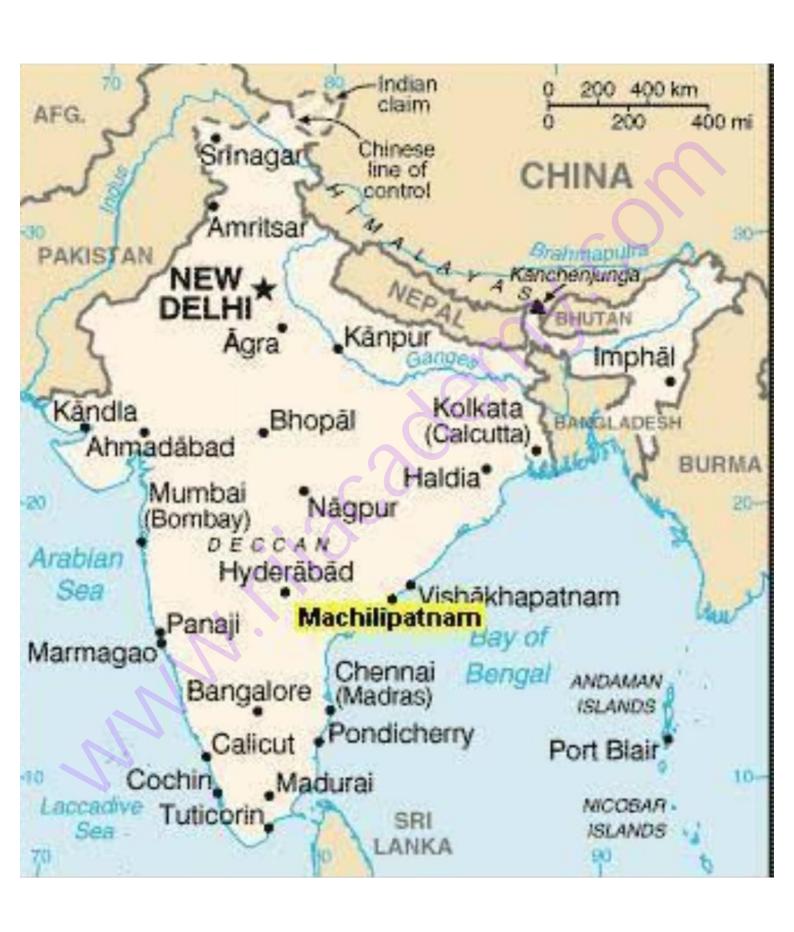




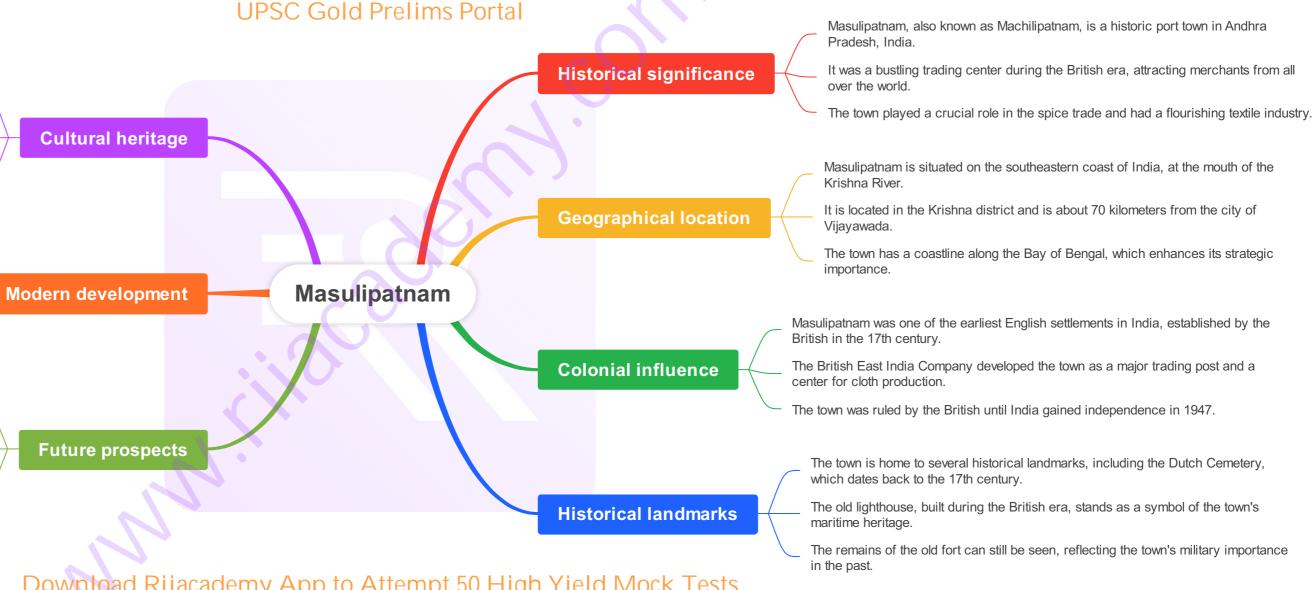


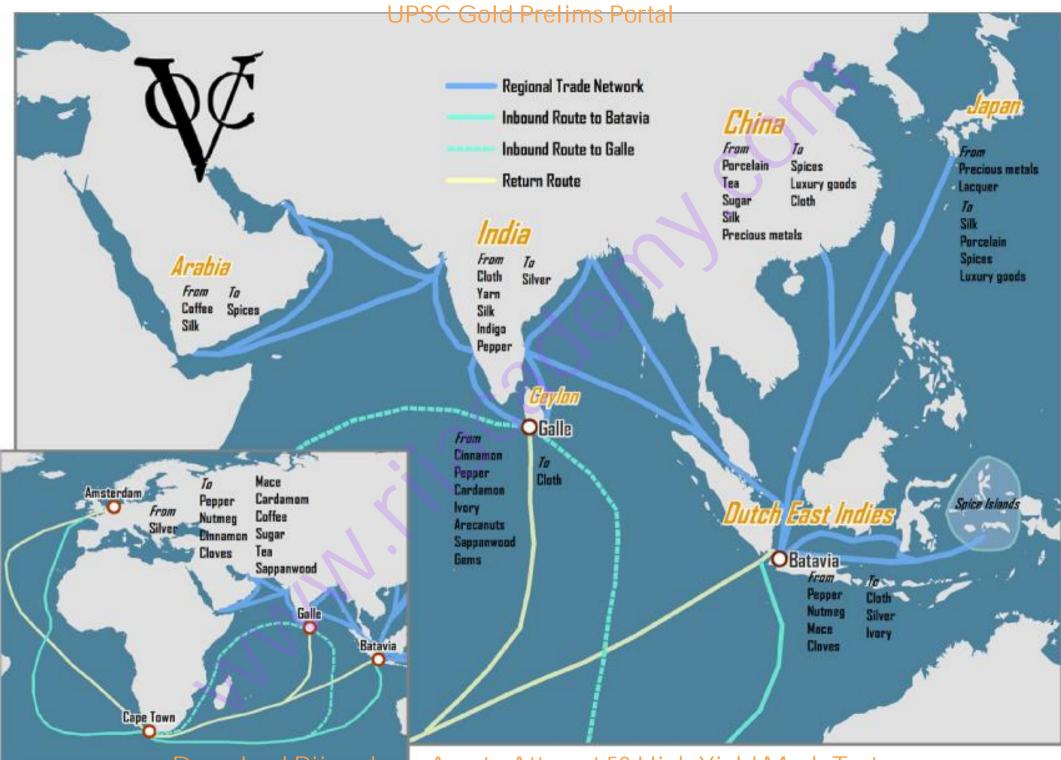


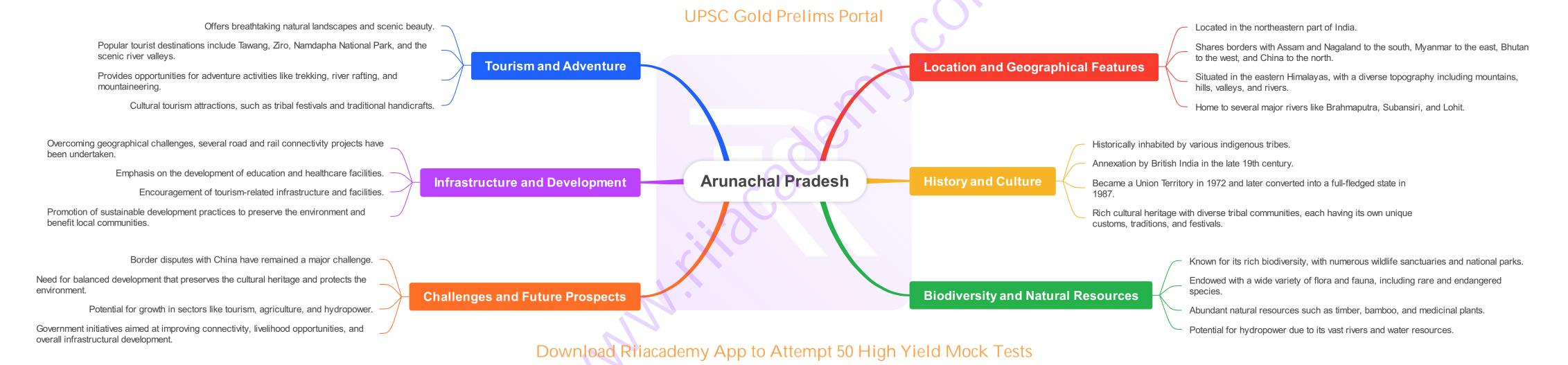


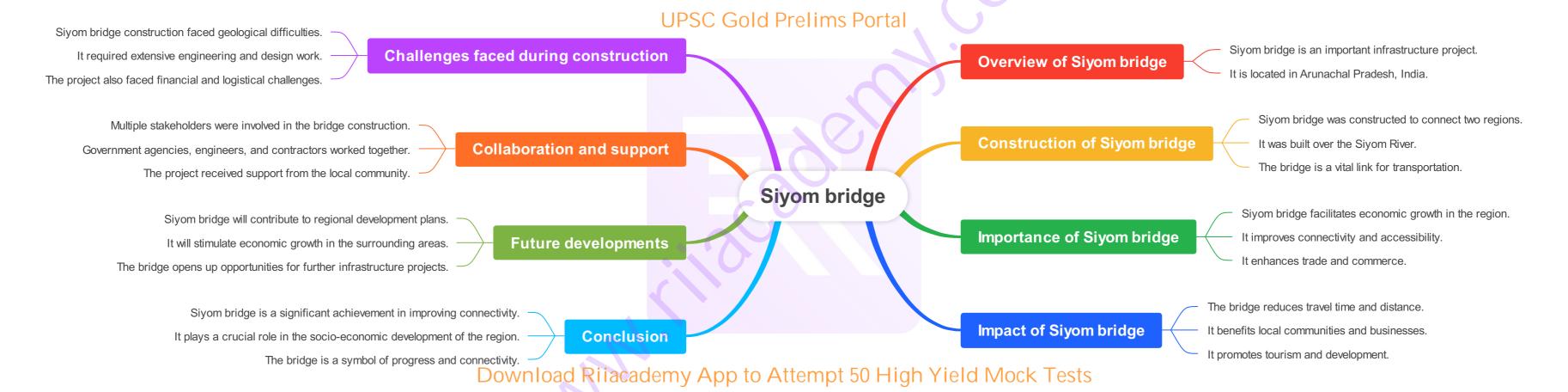


Masulipatnam has a rich cultural heritage, influenced by the region's Hindu, Muslim, and Christian communities. The town is known for its vibrant festivals, such as the Masula Beach Festival and the Machilipatnam Utsav. The local cuisine, which includes Andhra delicacies, is a blend of traditional flavors and colonial influences. In recent years, Masulipatnam has witnessed significant development, especially in the fields of infrastructure and tourism. The town is now a popular tourist destination, attracting visitors with its historical sites and scenic beaches. Efforts have been made to preserve the town's heritage and promote sustainable tourism. Masulipatnam has great potential for further growth, particularly in sectors such as tourism, trade, and industry. The government has undertaken initiatives to attract investments and develop the town's infrastructure. With its rich history and geographical advantages, Masulipatnam is poised to become a thriving economic hub.

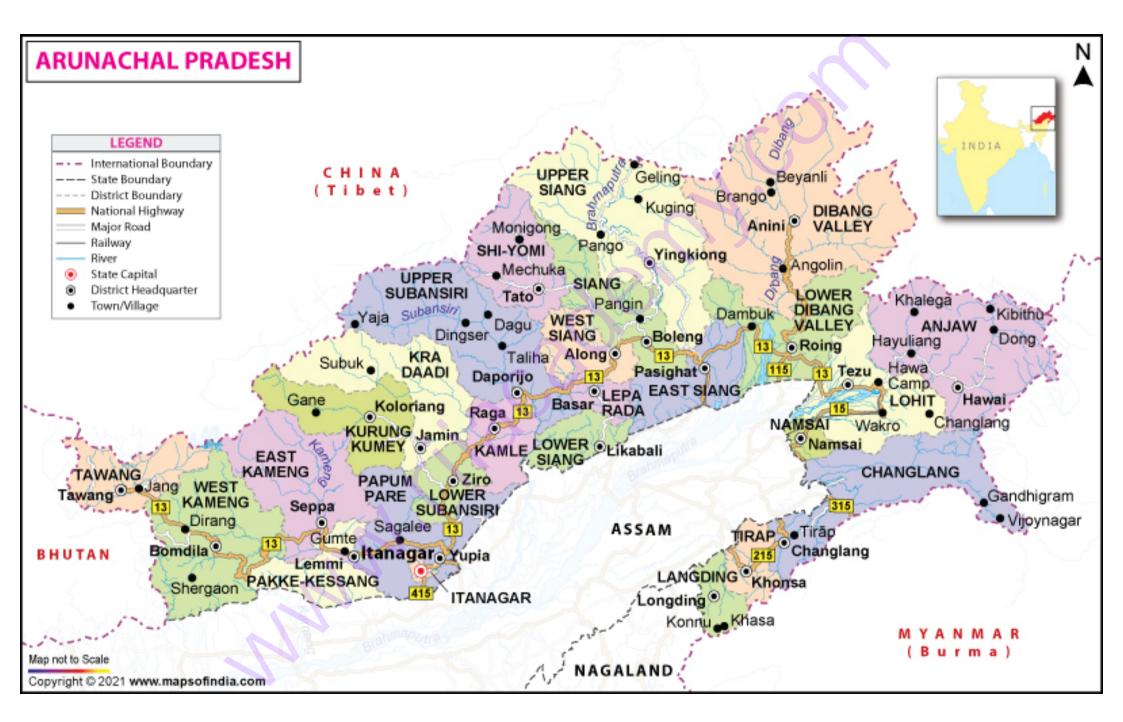


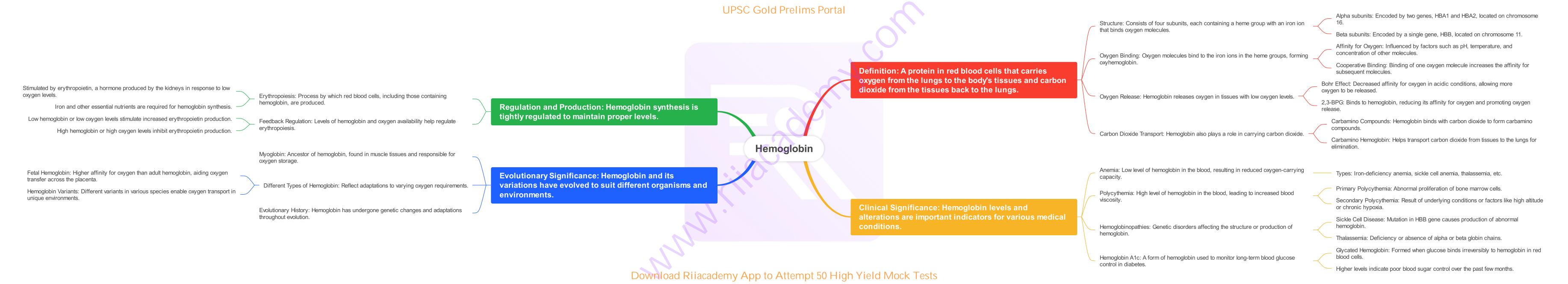


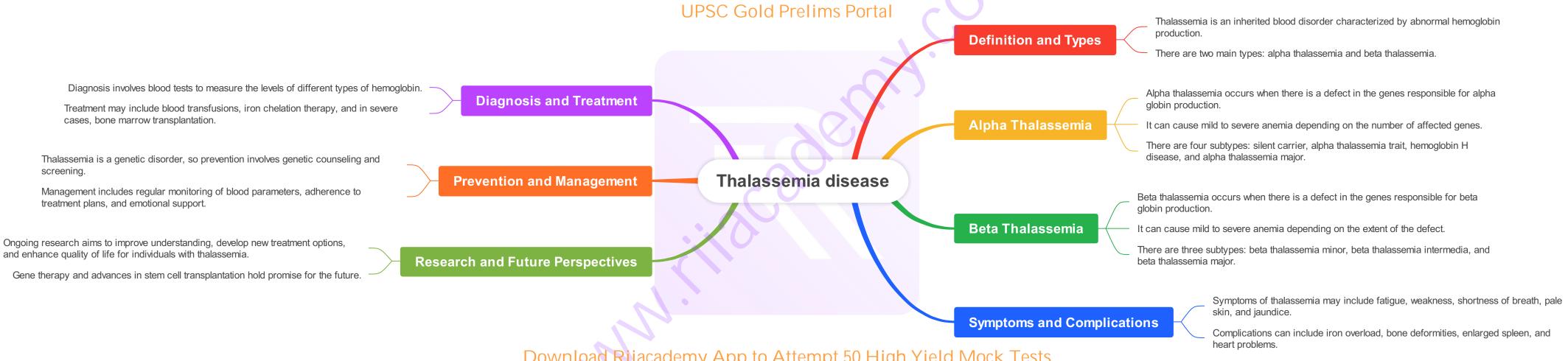




UPSC Gold Prelims Portal



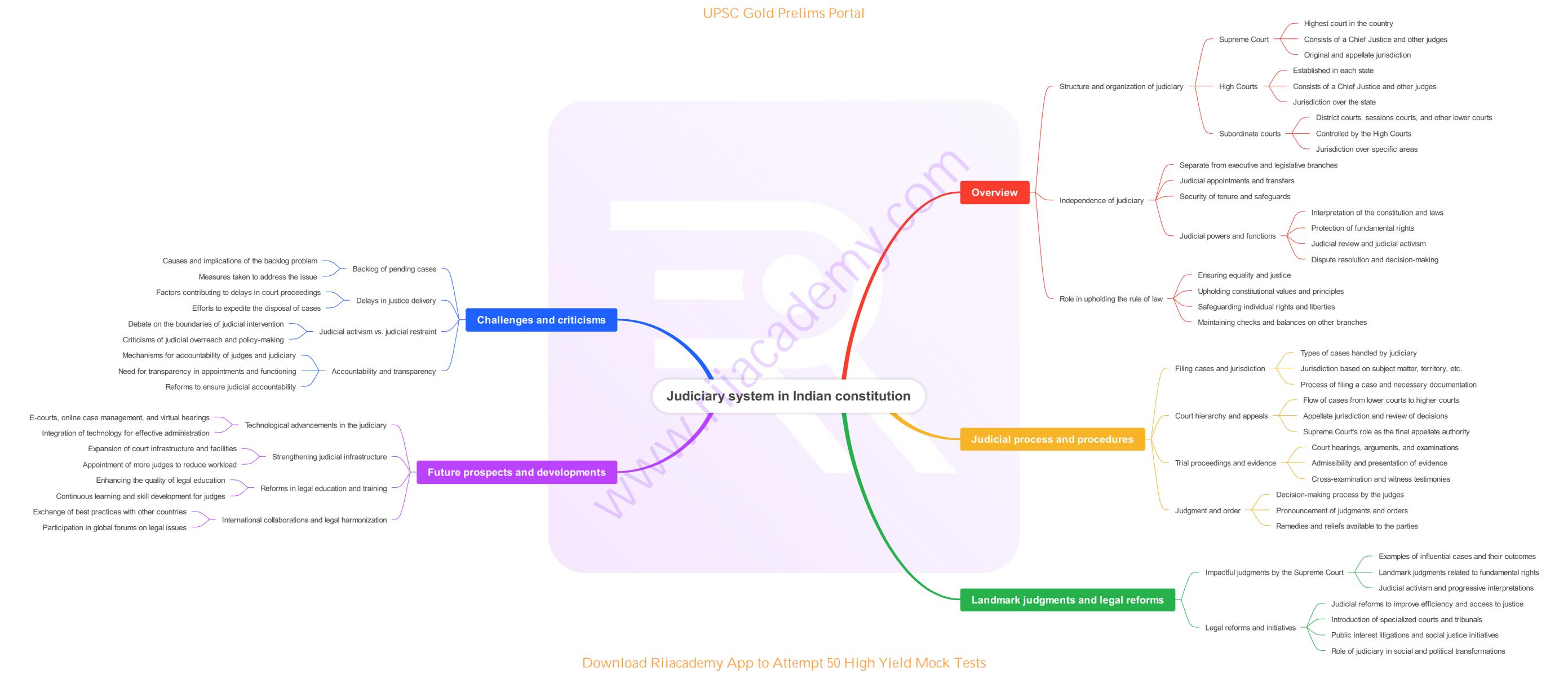


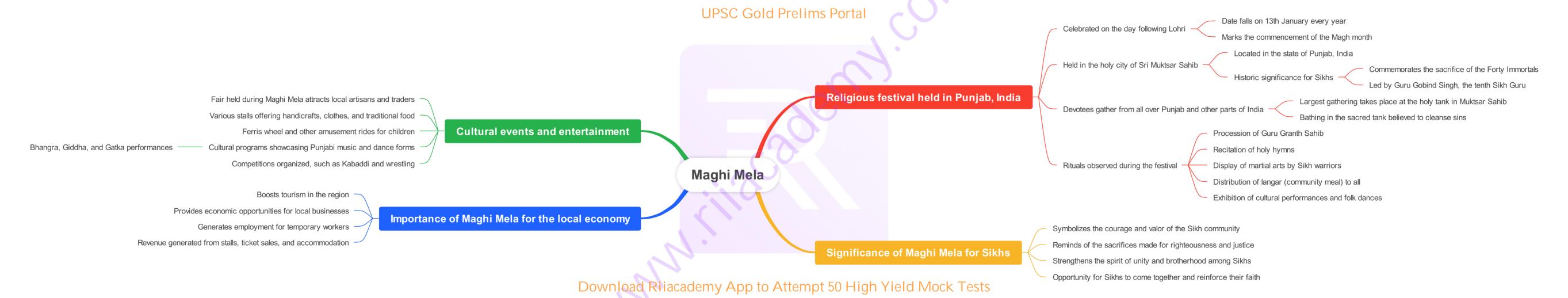


screening.

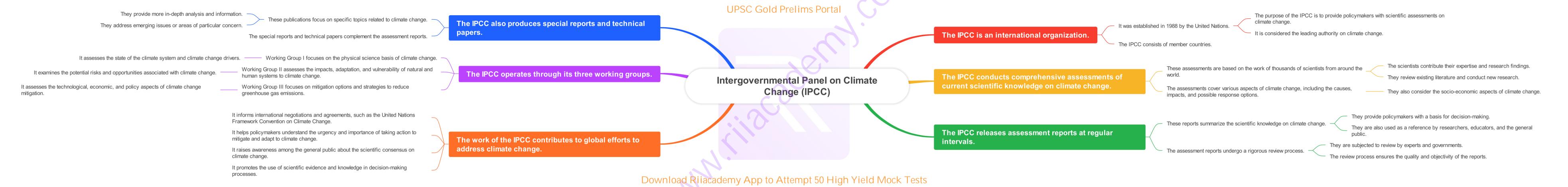
High Courts are instrumental in maintaining the balance of power between the states and the central government. They act as guardians of the constitution and protect the rights of individuals. **Importance and Significance** High Courts contribute to the development of law through their judgments and precedents. They provide access to justice for the people and help in resolving legal disputes effectively and efficiently. High Courts face challenges such as backlog of cases and delays in the disposal of Measures like computerization and e-filing systems are being implemented for faster and smoother functioning. **Challenges and Reforms** Efforts are being made to increase the number of judges and improve infrastructure. Reforms are being undertaken to ensure transparency and accountability in the judiciary. High Courts in India play a crucial role in the judicial system, dispensing justice and Conclusion protecting the rights of citizens.

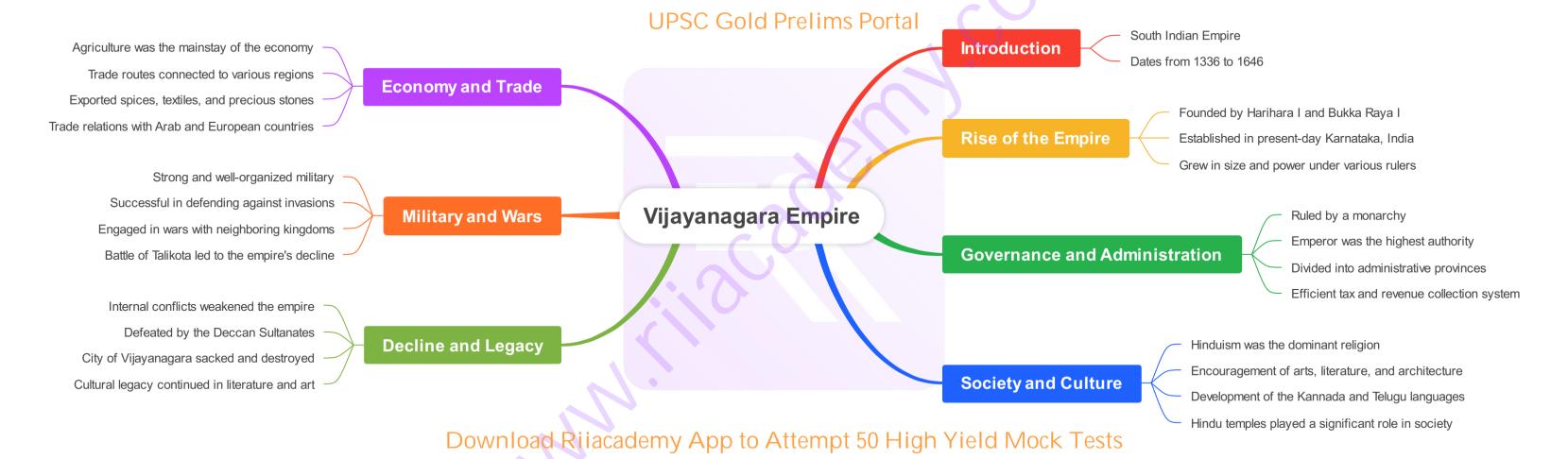
UPSC Gold Prelims Portal High Courts are the highest judicial bodies in the states of India. Introduction There are currently 25 High Courts in India. Each High Court consists of a Chief Justice and several other judges appointed by the President. **Composition and Jurisdiction** Original jurisdiction allows them to hear cases directly. High Courts have original, appellate, and advisory jurisdiction. Appellate jurisdiction allows them to hear appeals from subordinate courts. Advisory jurisdiction allows them to provide legal advice to the President. **High Courts in India** High Courts have the power of judicial review, which allows them to review the constitutionality of laws and government actions. They can issue writs to protect the fundamental rights of citizens. **Powers and Functions** High Courts can hear cases related to civil, criminal, constitutional, and administrative matters. They play a crucial role in upholding the rule of law and ensuring justice. High Courts are subordinate to the Supreme Court of India. Relationship with Supreme Court of India They have to follow the decisions and rulings made by the Supreme Court. However, High Courts have some independence in their jurisdiction.

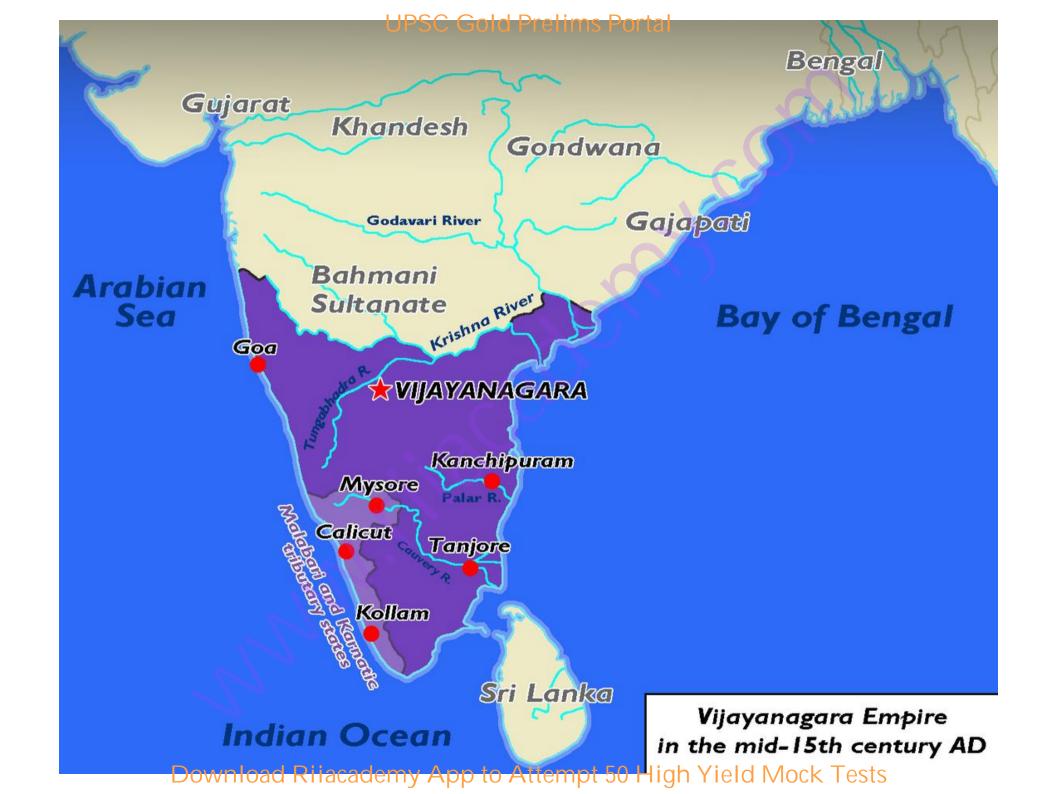


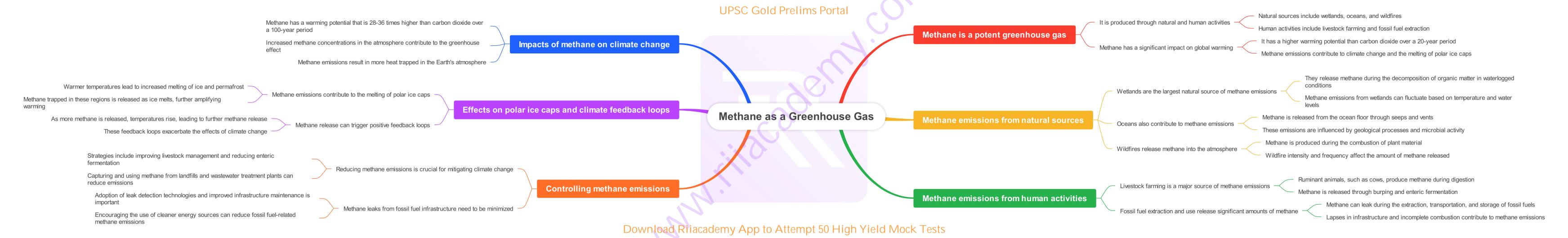


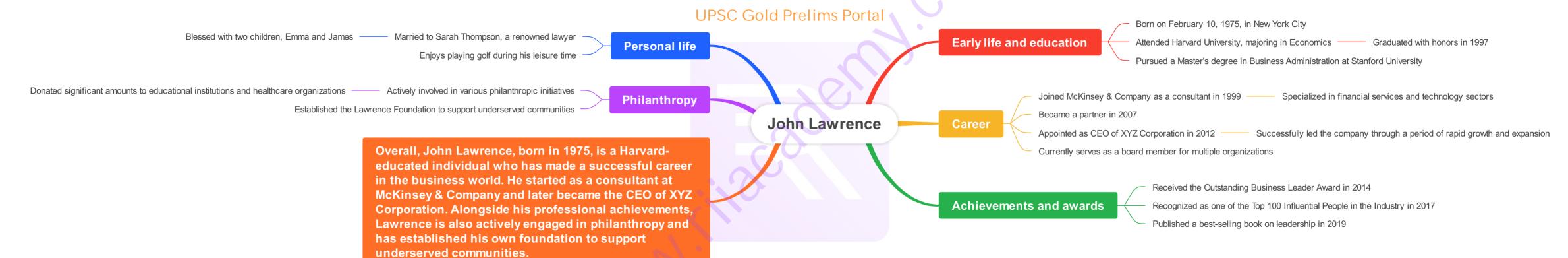


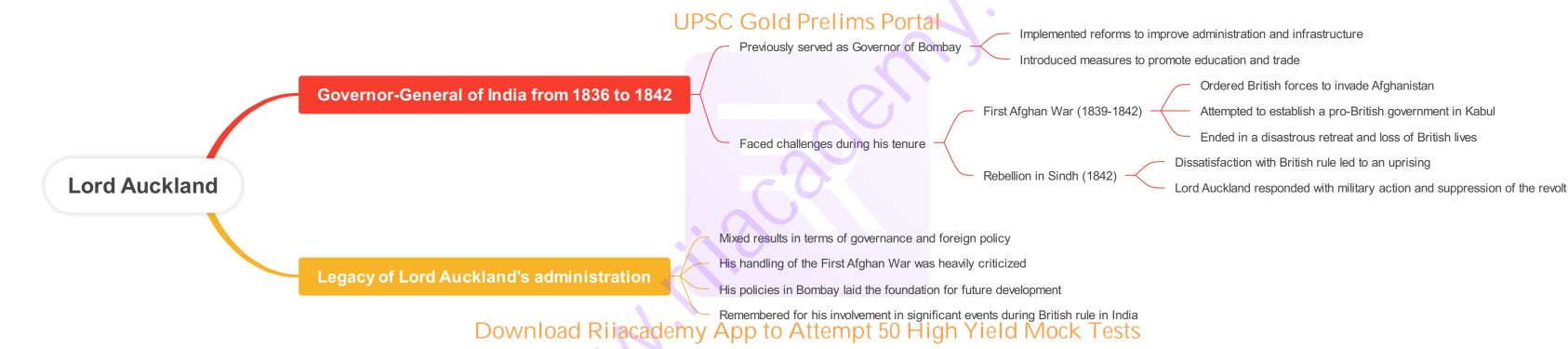


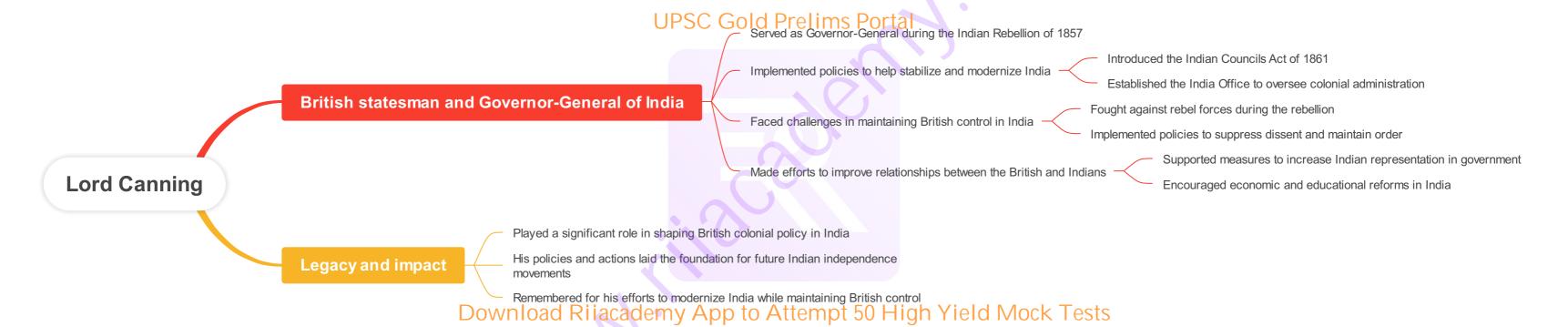


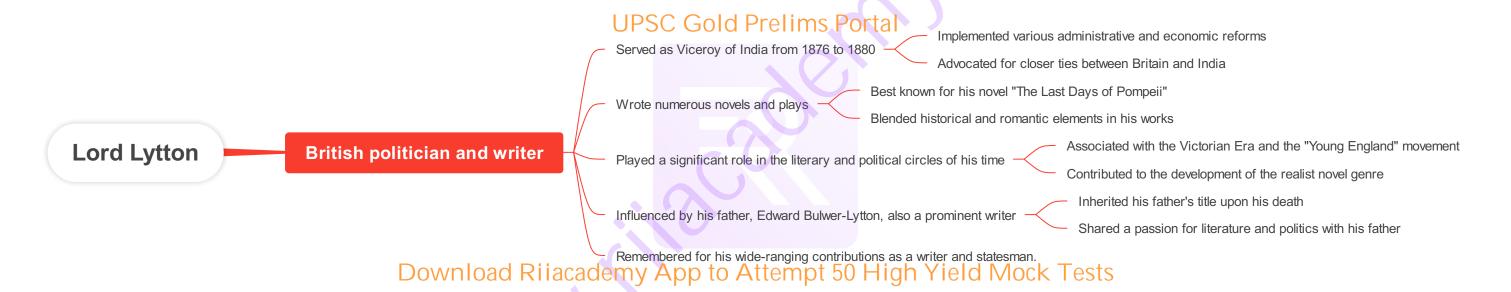


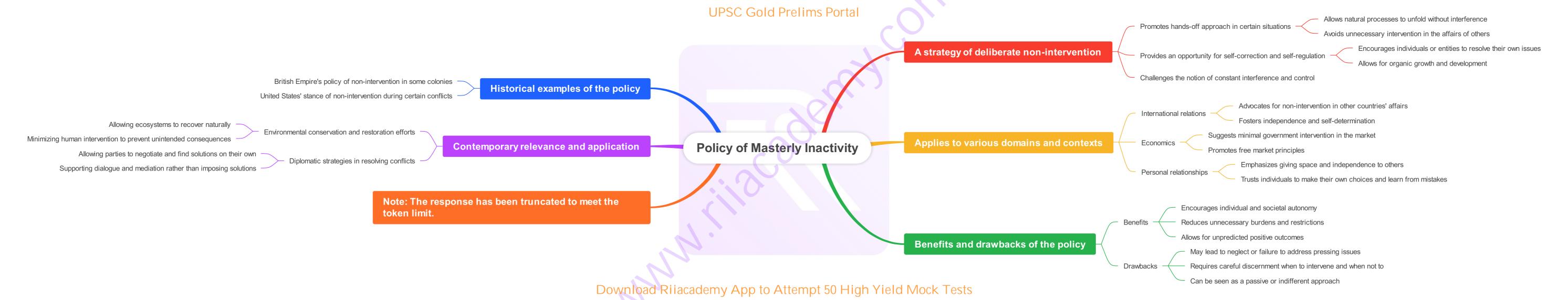










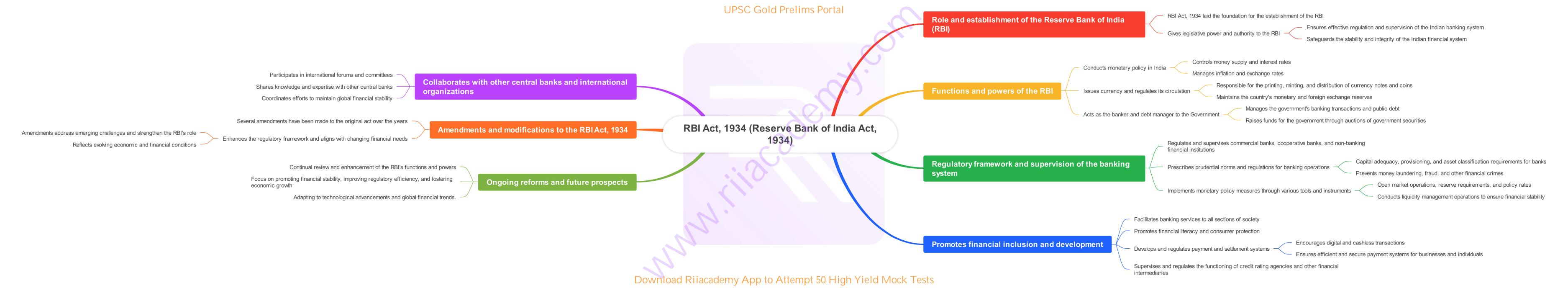


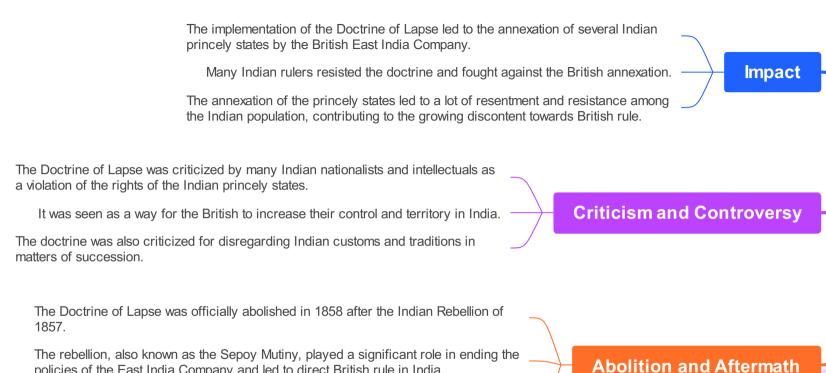
UPSC Gold Prelims Portal CPI measures the average price change of a basket of goods and services commonly consumed by households. Consumer Price Index (CPI). It is a widely used indicator of inflation and helps policymakers make informed PPI measures the average change in prices received by domestic producers for their final goods and services. Measurement of inflation. Producer Price Index (PPI) It reflects the inflationary pressures at earlier stages of the supply chain. GDP deflator measures the change in prices for all final goods and services Inflation refers to the sustained increase in the general price level of goods and **Definition of inflation** produced in an economy. GDP deflator. services in an economy over a period of time. It provides a broad measure of overall inflation within the economy Occurs when aggregate demand in an economy is greater than the economy's ability Occurs when inflation rates are extremely high, typically over 50% per month. to supply goods and services. Demand-pull inflation. Hyperinflation. Examples include increased consumer spending or government expenditure. It can result in the complete breakdown of a country's monetary system and severe economic and social consequences. Occurs when the costs of production, such as wages or raw materials, rise and result Moderate inflation, usually within a range of 2-4% per year, is generally considered in higher prices for goods and services. Causes of inflation. Cost-push inflation. beneficial for the economy Types of inflation. Moderate inflation. Examples include an increase in oil prices or labor disputes leading to higher wages. Inflation It allows for price stability and encourages spending and investment. Occurs when the money supply in an economy grows faster than the rate of Disinflation refers to the slowing down of the rate of inflation but still indicates an economic growth, leading to an increase in prices. Monetary inflation. increase in prices, albeit at a lower pace. Examples include excessive money printing or loose monetary policy. Disinflation. It can be a result of deliberate monetary policies or changes in supply and demand dynamics. As prices rise, the value of money decreases, causing individuals and businesses to Reduced purchasing power. be able to buy fewer goods and services. Central banks adjust interest rates and manage the money supply to influence Inflation can lead to uncertainty as businesses struggle to predict costs and inflation. consumers may delay purchases. Monetary policy. Effects of inflation. Uncertainty and economic distortions. They may raise interest rates to reduce borrowing, curbing demand and limiting It can also create distortions, such as misallocation of resources and income inflationary pressures. redistribution. Governments can use taxation and spending policies to control inflation. High inflation may discourage long-term investment as it erodes the returns on Fiscal policy. **Controlling inflation** Impact on investment. investment and reduces confidence in the economy. They may increase taxes, reduce government expenditures, or employ contractionary fiscal measures to reduce demand. Policies aimed at improving the supply-side of the economy can help reduce inflationary pressures. Supply-side policies.

Download Rijacademy App to Attempt 50 High Yield Mock Tests

These may include measures to increase productivity, enhance competition, or

promote innovation.





policies of the East India Company and led to direct British rule in India.

succession.

princely states, and a more consultative approach was adopted in matters of

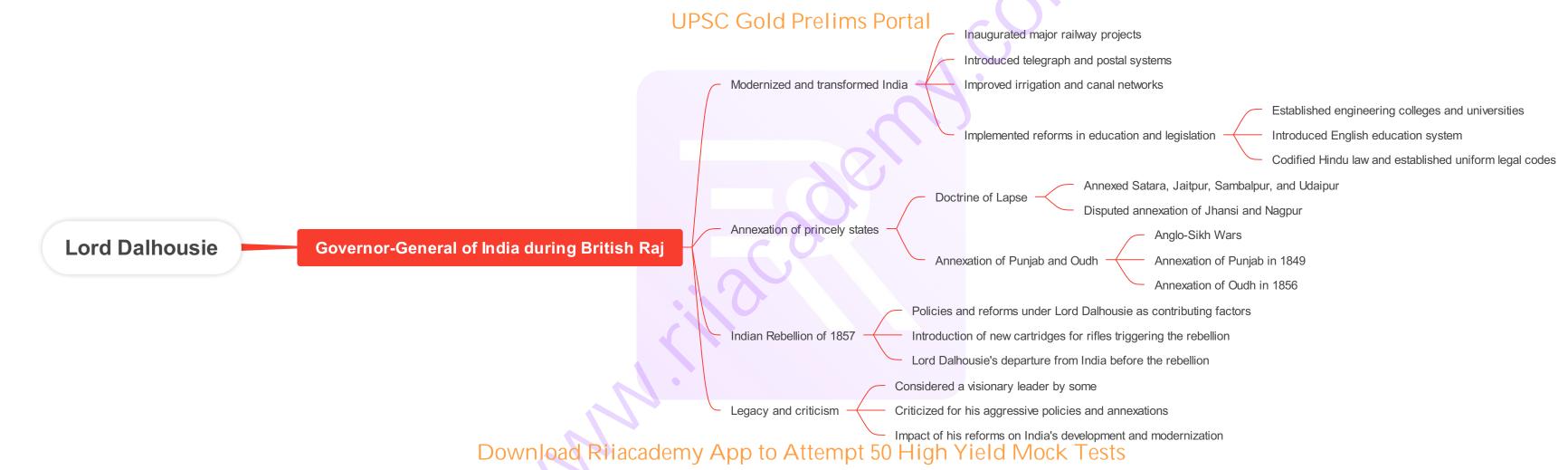
The abolition of the doctrine marked a turning point in British policies towards Indian

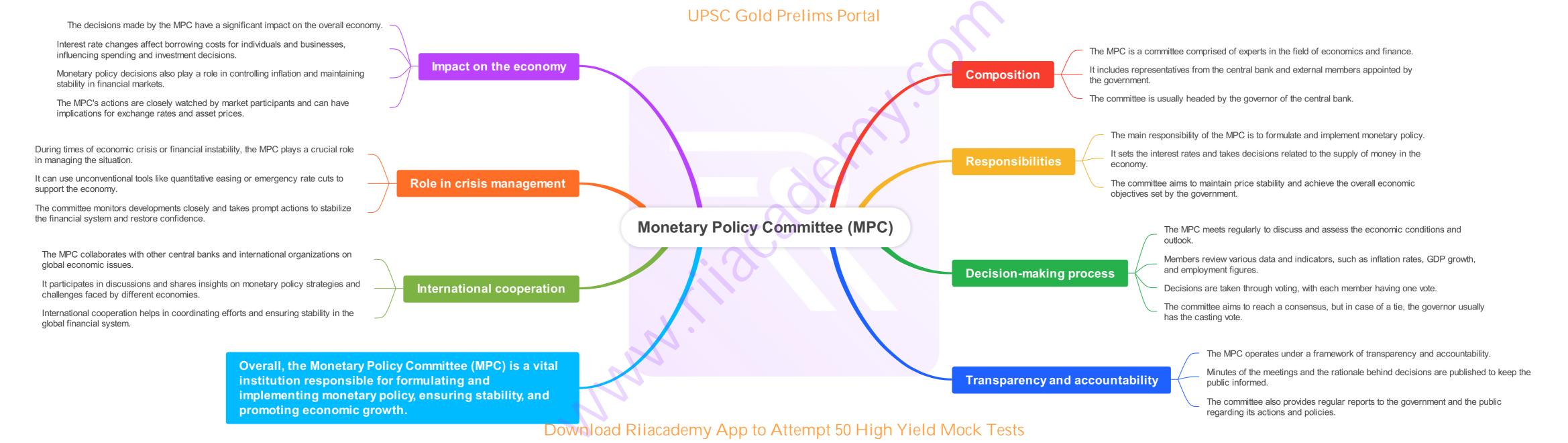
UPSC Gold Prelims Portal The Doctrine of Lapse was a policy implemented by the British East India Company Introduction in India during the 19th century. The British East India Company had control over most of India through alliances and treaties with Indian rulers. The Doctrine of Lapse was introduced by Lord Dalhousie, the Governor-General of Background India, in the mid-19th century. **Doctrine of Lapse** The doctrine aimed to justify the annexation of Indian princely states that had no natural heir or adopted heir.

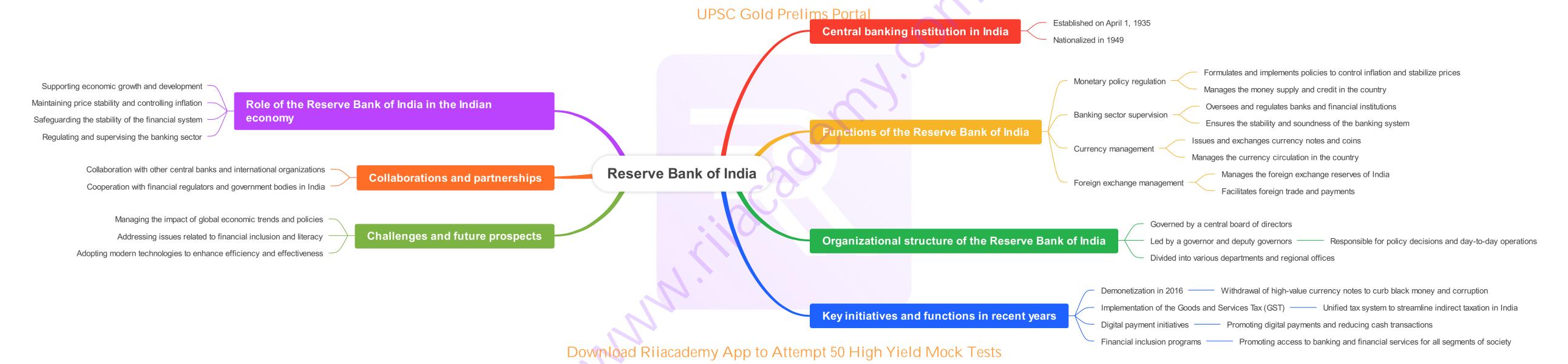
Principles of the Doctrine

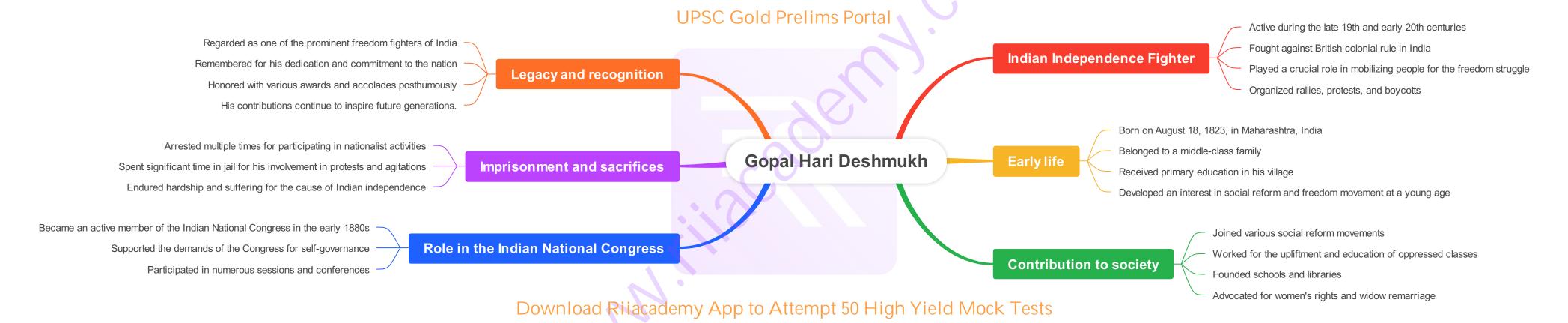
According to the Doctrine of Lapse, if a ruler of an Indian princely state died without a natural or adopted male heir, the state would be annexed by the British East India Company.

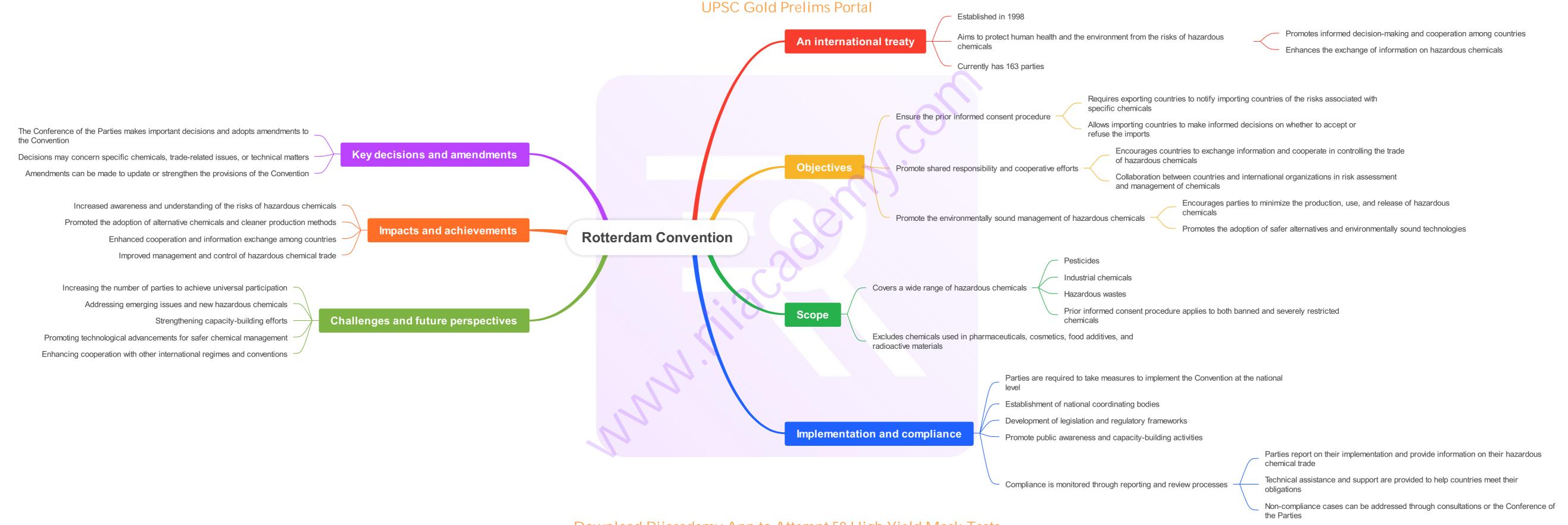
The doctrine was based on the belief that Indian rulers were not capable of good governance and that the British Empire could provide better administration.

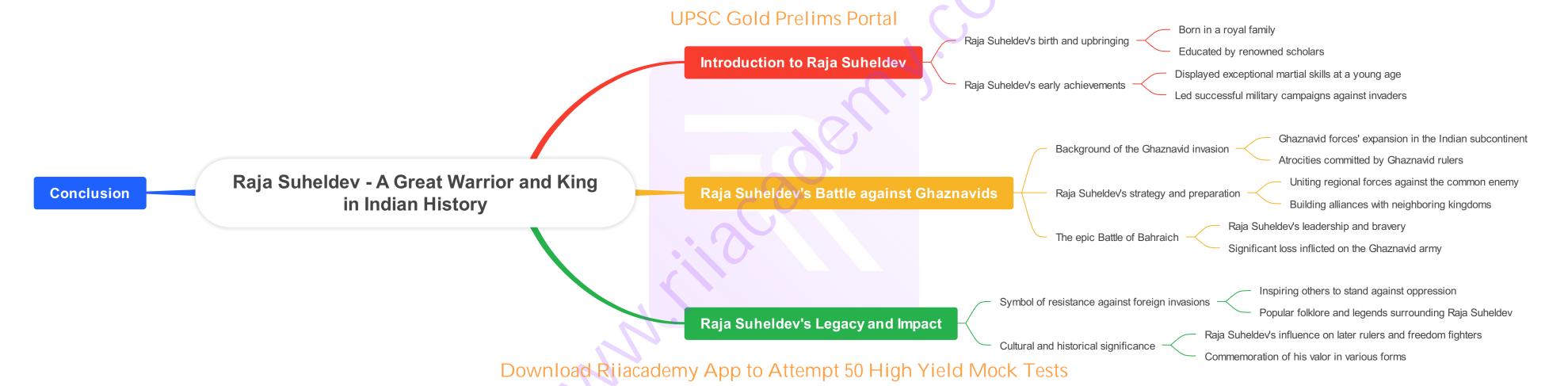


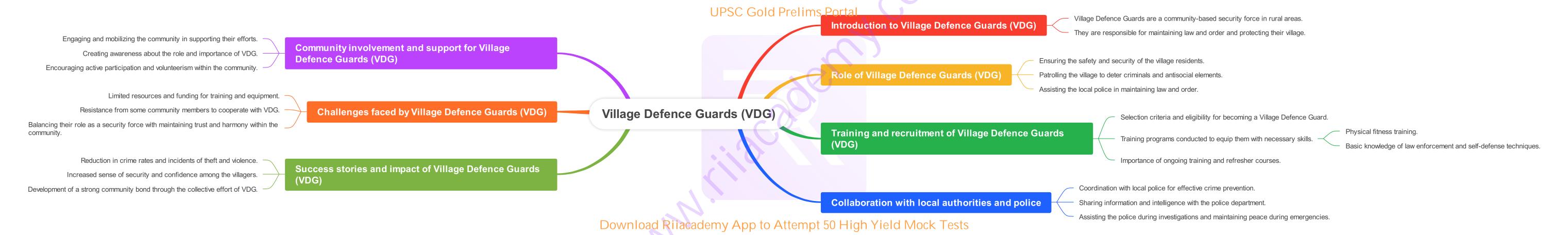


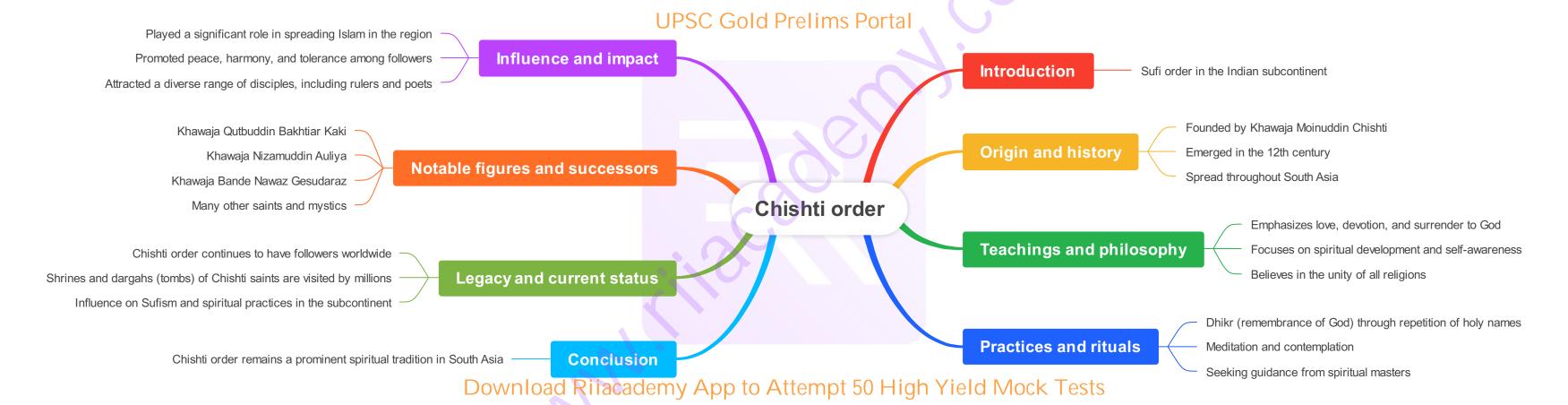


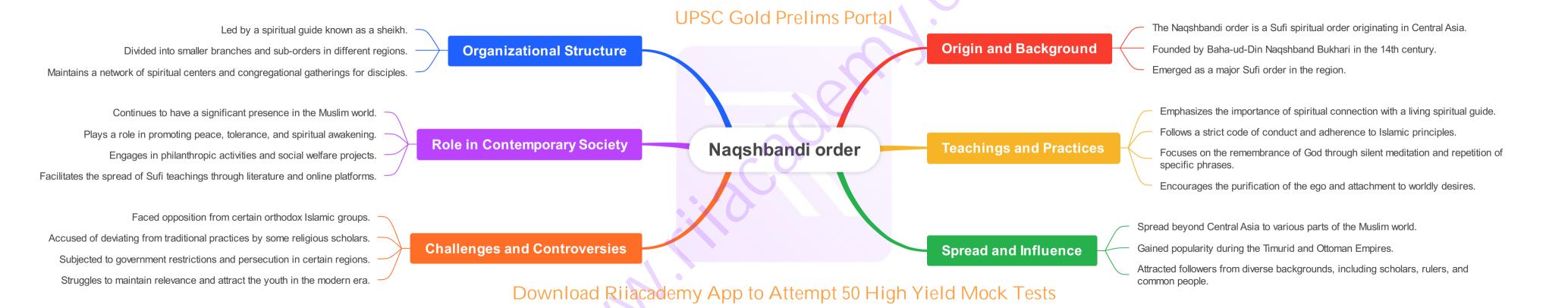


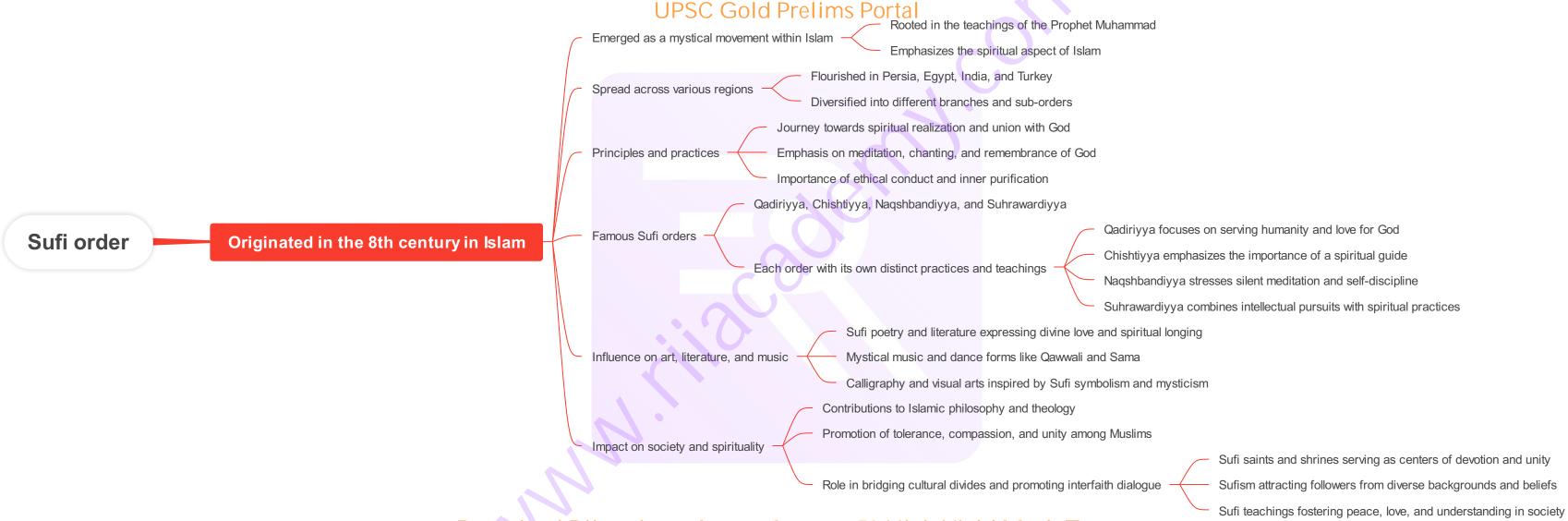


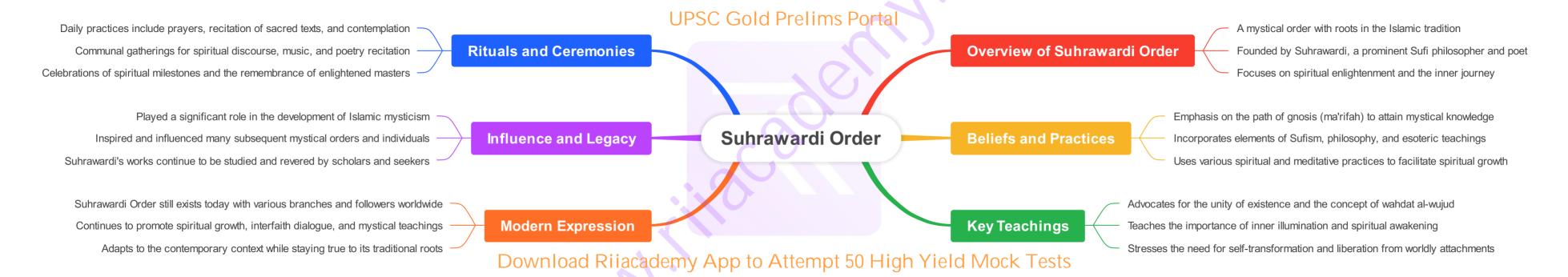


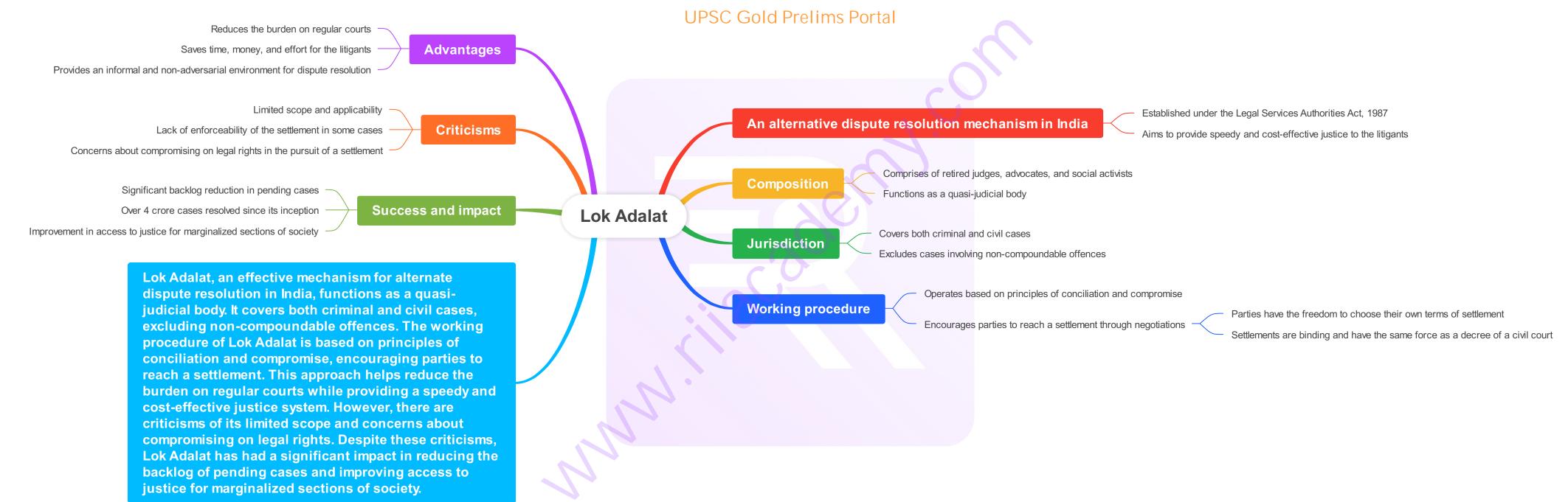


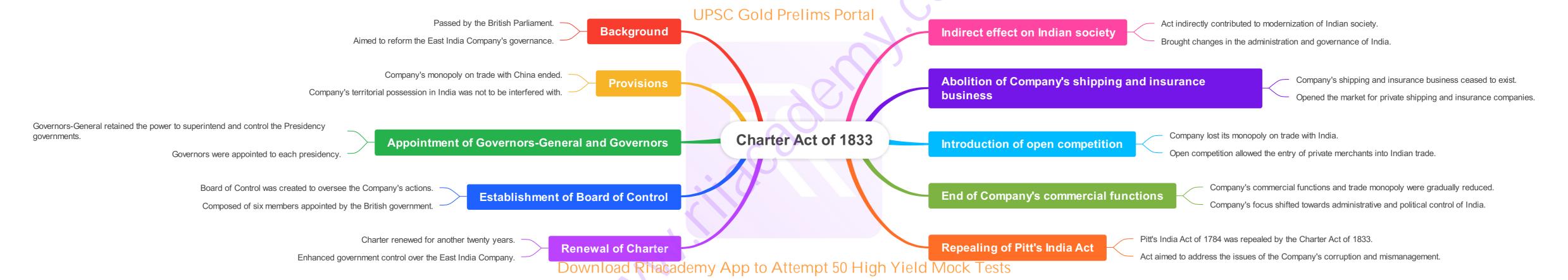


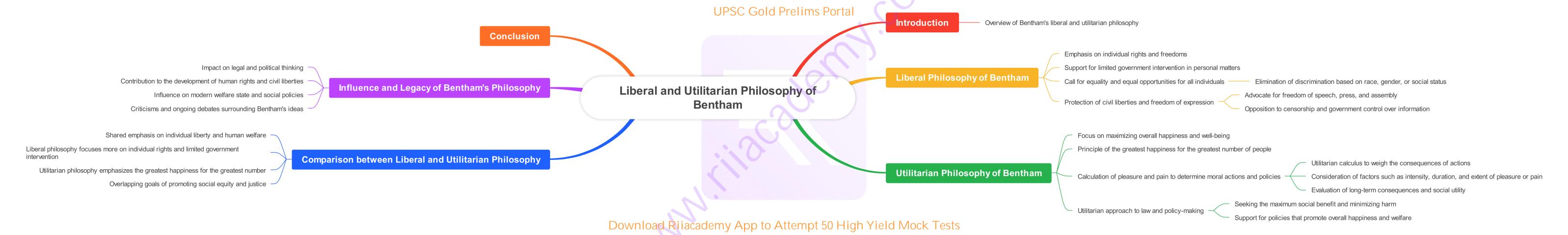


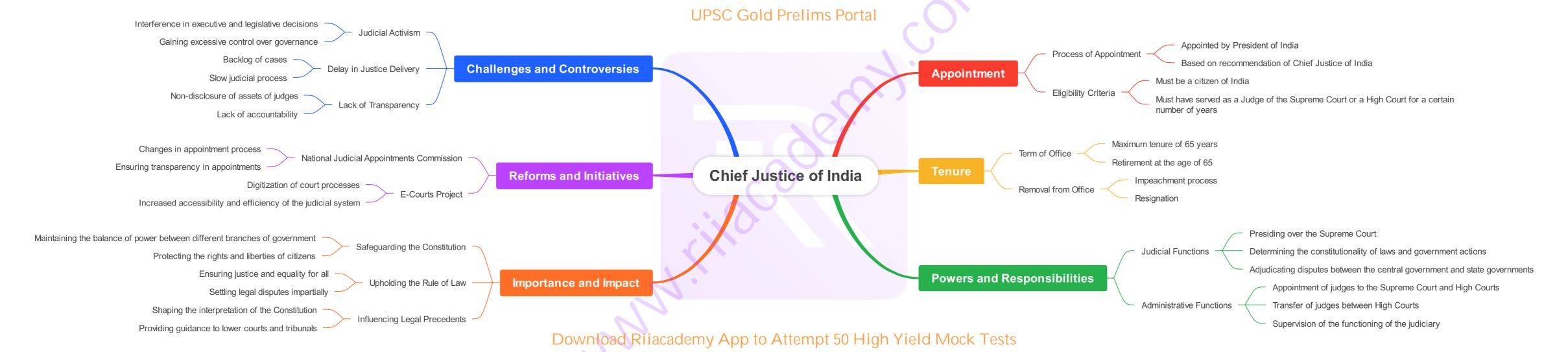


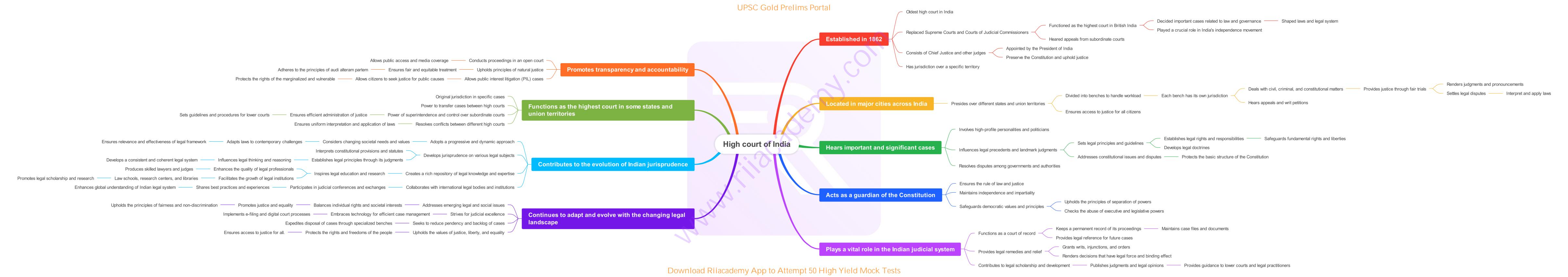


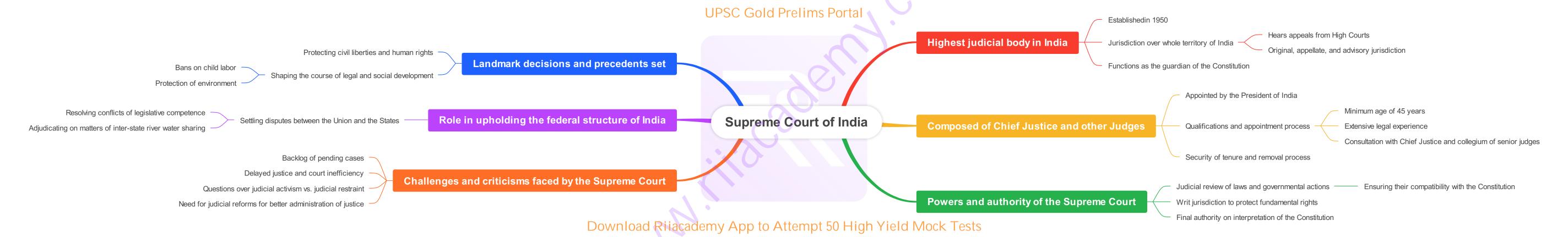


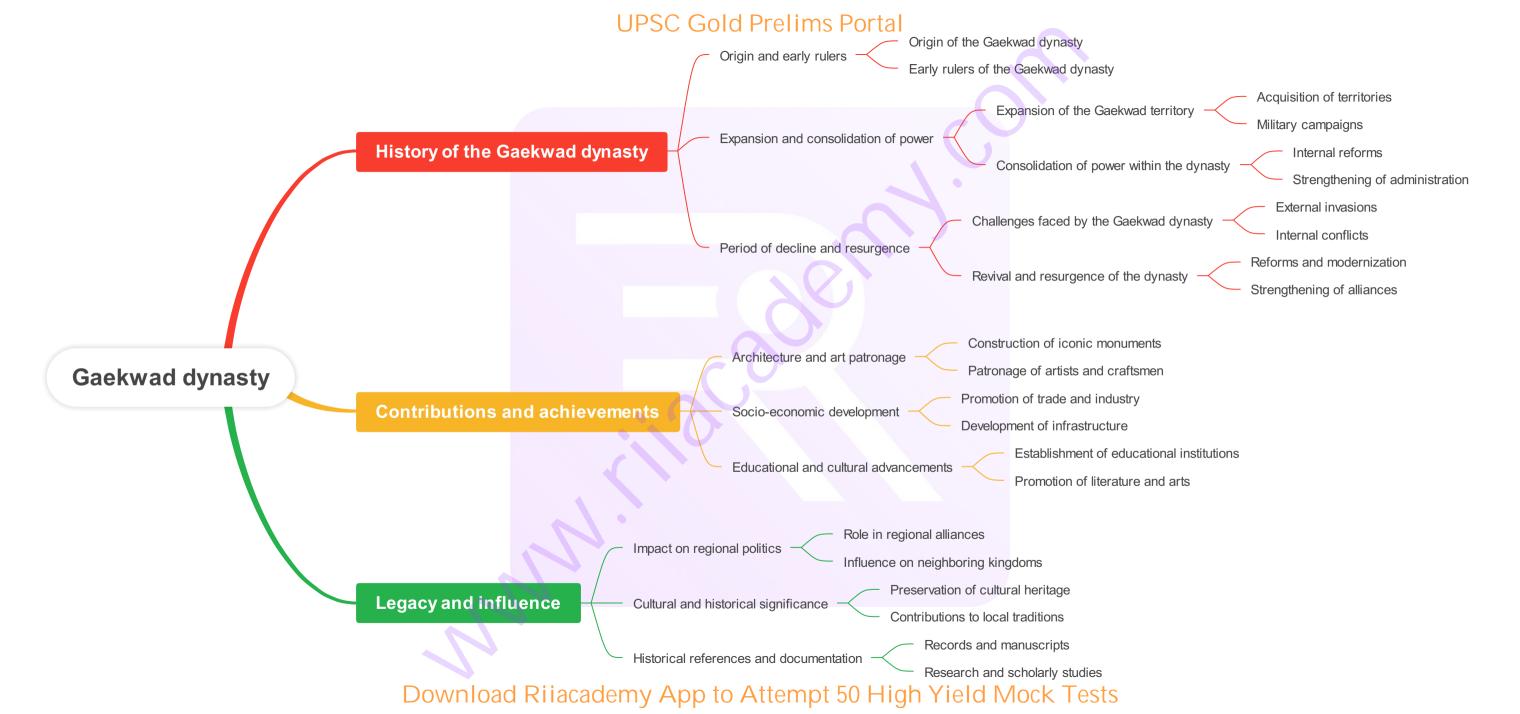


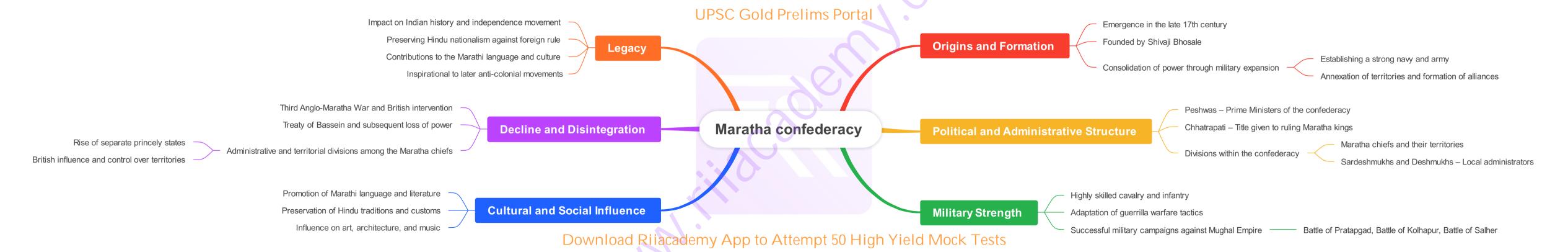


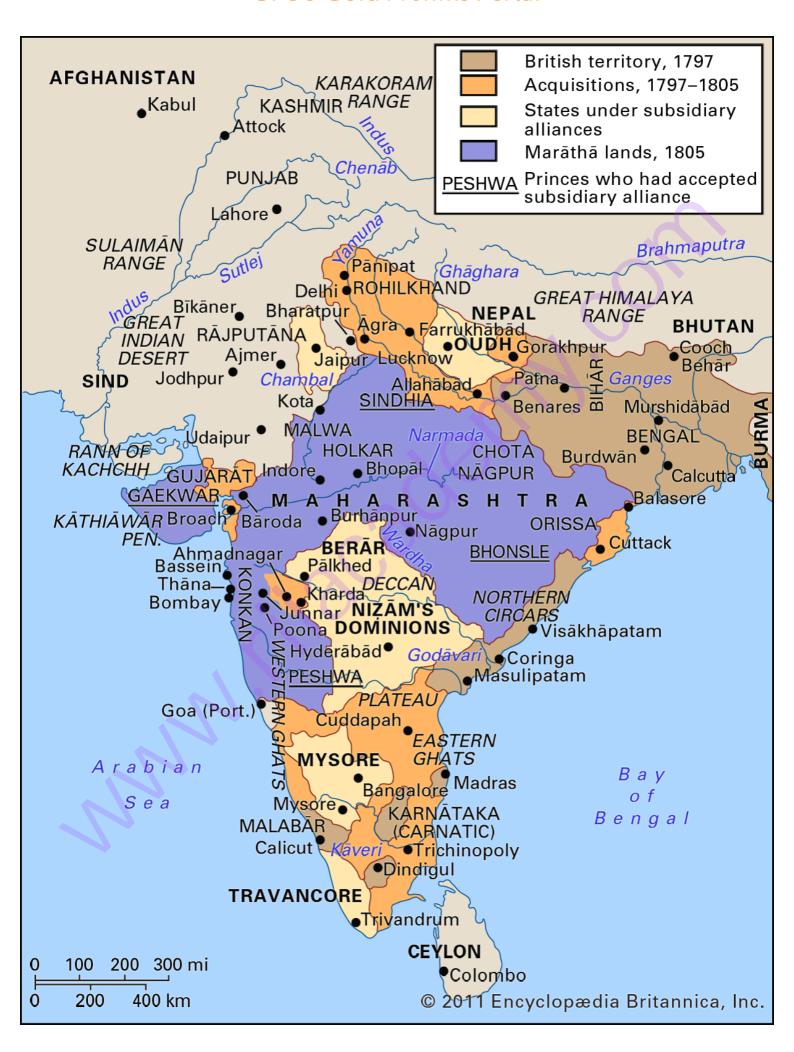












The diagnosis of environmental enteropathy is challenging and relies on clinical findings.

Laboratory tests may reveal evidence of malabsorption and nutritional deficiencies.

Biomarkers of gut inflammation can also provide supportive evidence.

Imaging studies, such as small bowel endoscopy, may be performed to assess intestinal damage.

The primary focus of management is improving environmental hygiene and sanitation.

Providing clean drinking water and promoting handwashing practices are essential.

Nutritional interventions, including therapeutic feeding and vitamin/mineral supplementation, are crucial.

Antibiotic treatments may be warranted in cases of severe infections or complications.

Supportive care and regular monitoring of growth and development are important for long-term management.

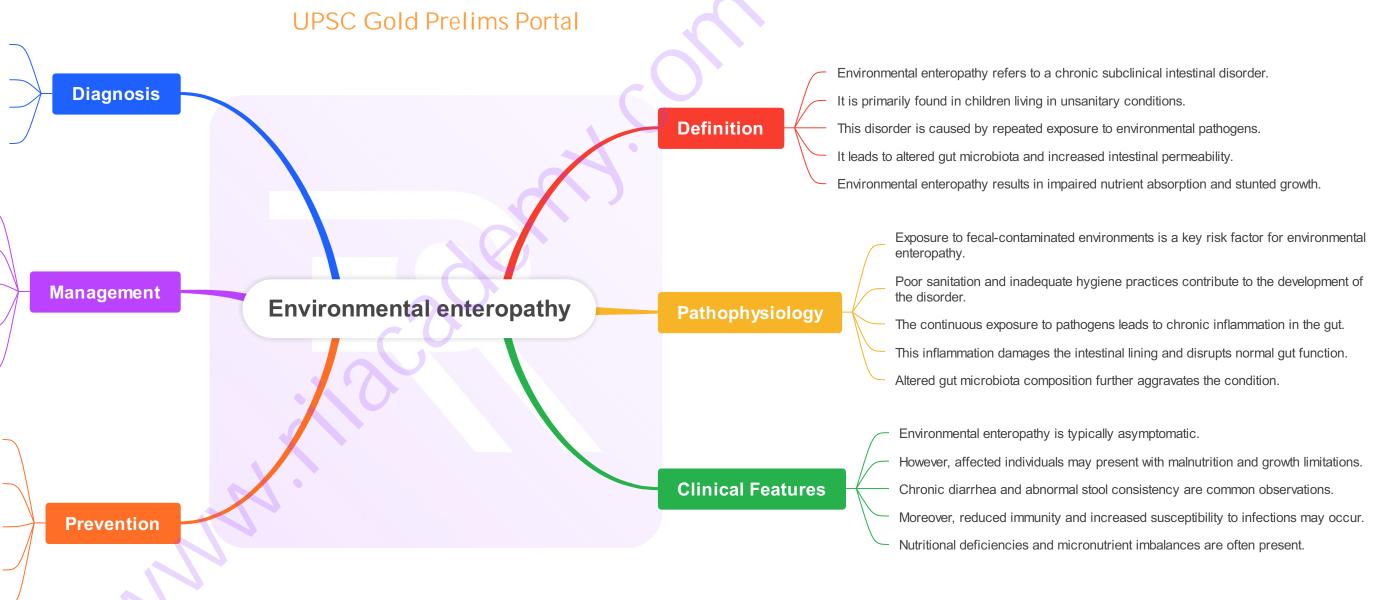
Prevention strategies for environmental enteropathy involve improving living conditions.

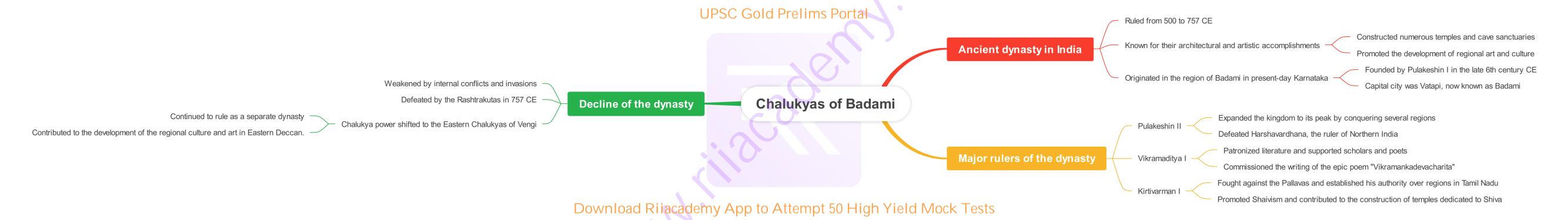
Ensuring access to clean water, proper sanitation facilities, and hygienic practices is

Promoting breastfeeding and early initiation of complementary feeding can help prevent malnutrition.

Vaccination programs should be implemented to reduce the burden of infectious diseases.

Education and awareness campaigns can play a significant role in prevention efforts.





The temple architecture of the Chandela dynasty is renowned for its intricate carvings and exquisite sculptures.

The Khajuraho temples, dedicated to various deities, showcase the skills and creativity of the craftsmen.

These temples are known for their sensual and erotic sculptures, depicting various aspects of human life.

The Chandela dynasty faced numerous invasions and political upheavals in the 12th century.

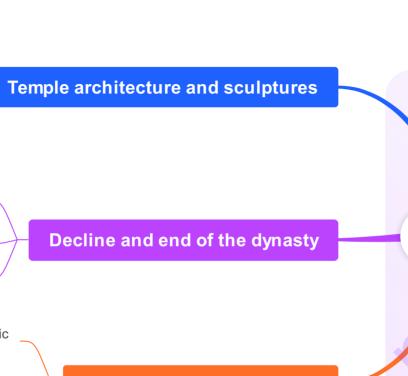
The decline of the dynasty was accelerated by the attacks of the Muslim rulers like Outb-ud-din Aibak.

With the decline of political power, the Chandela dynasty gradually faded away.

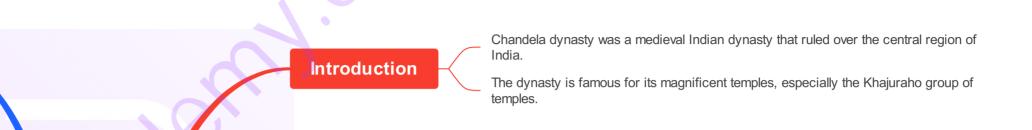
The Chandela dynasty left a lasting legacy through its temple architecture and artistic achievements.

The Khajuraho temples, despite being somewhat neglected over the centuries, remain a UNESCO World Heritage site.

The cultural impact of the Chandela dynasty can still be seen in the art and architecture of the region.



Legacy and cultural impact



Origins and early period

The Chandela dynasty was founded by Chandravanshi Rajputs in the 9th century.

They initially ruled in the region of present-day Bundelkhand in Madhya Pradesh.

The early Chandela rulers were known for their military prowess and strategic alliances.

dynasty reached its peak. Peak of power and cultural achievements

The dynasty expanded its territories and established its authority over a vast area.

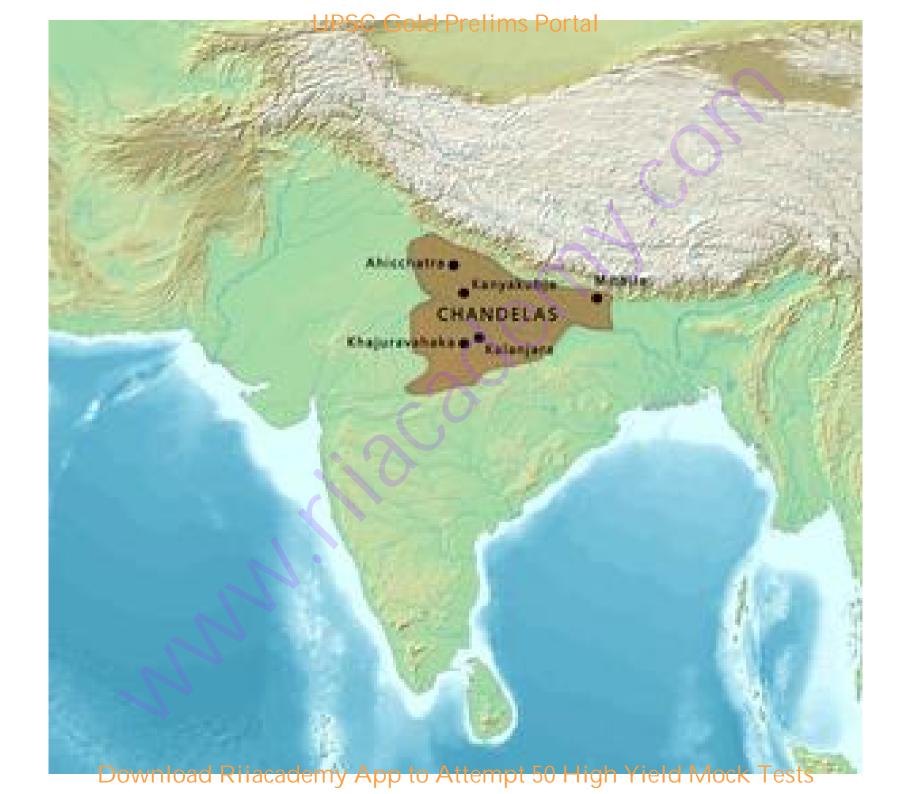
Under the rule of rulers like Dhanga, Yasovarman, and Vidyadhara, the Chandela

During this period, the Chandela rulers also patronized art, architecture, and literature.

Download Rijacademy App to Attempt 50 High Yield Mock Tests

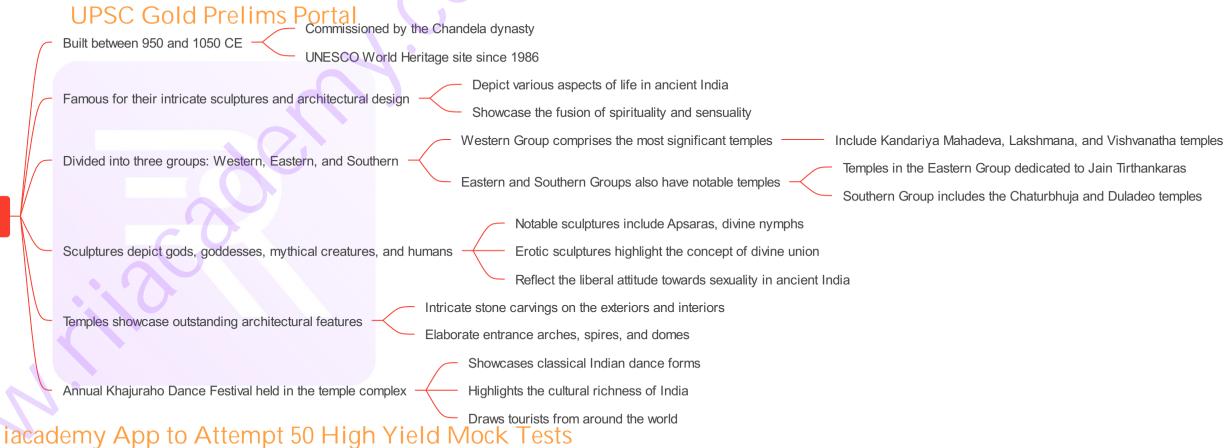
UPSC Gold Prelims Portal

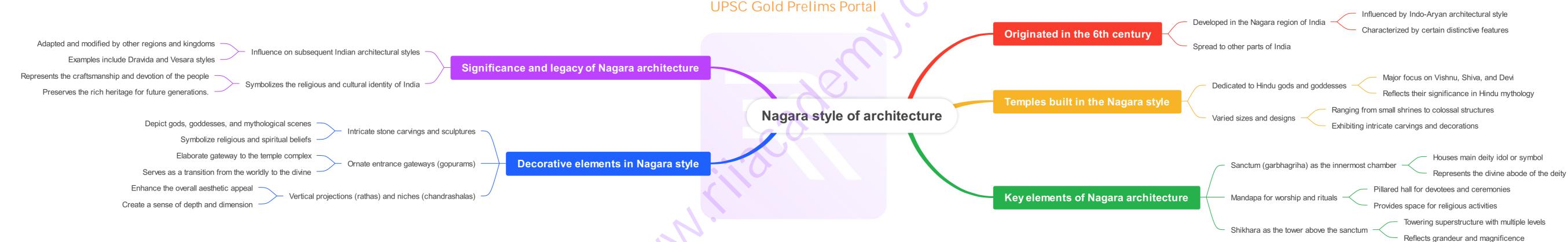
Chandela dynasty

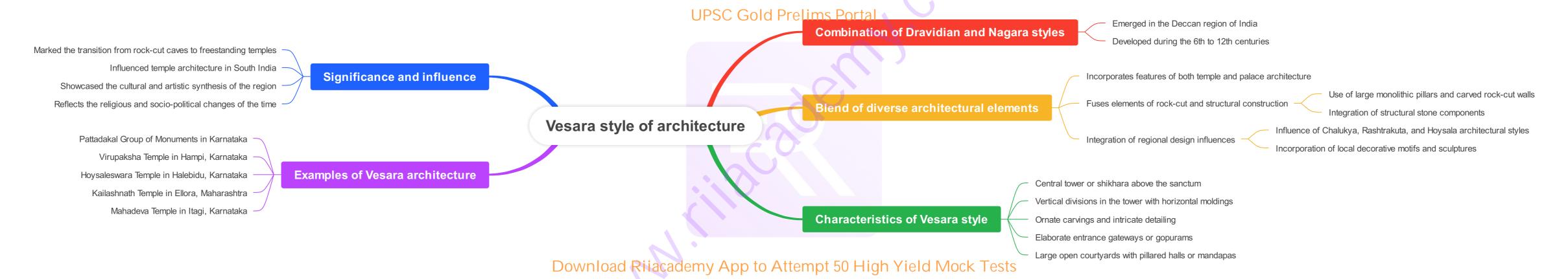


Khajuraho temples

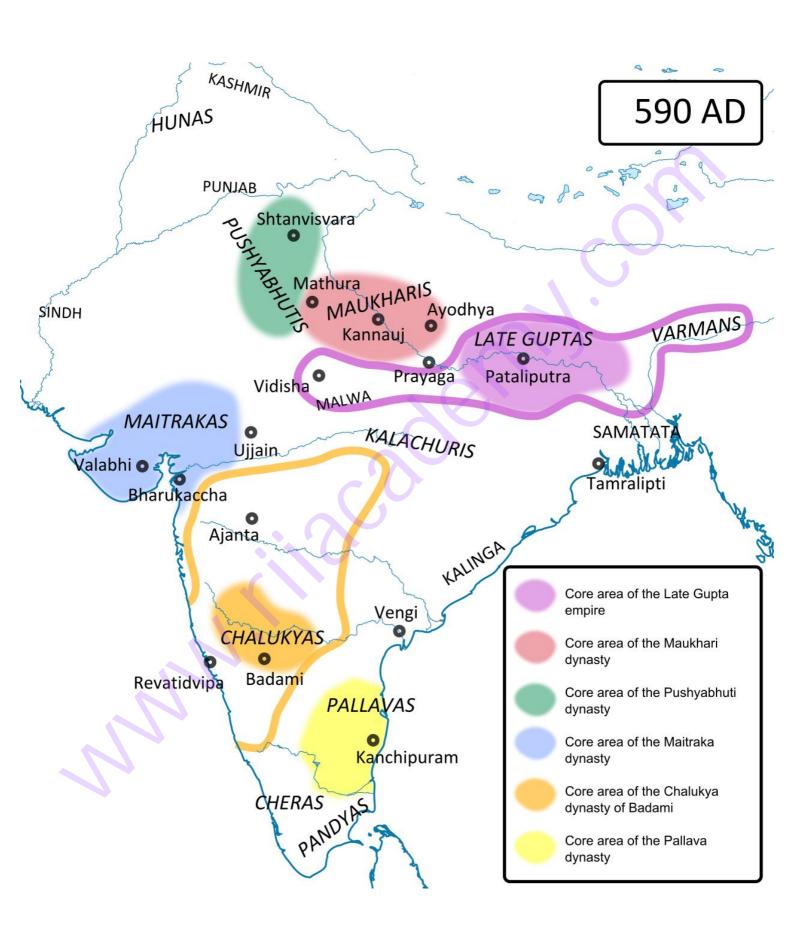
Hindu and Jain temples located in Khajuraho, India

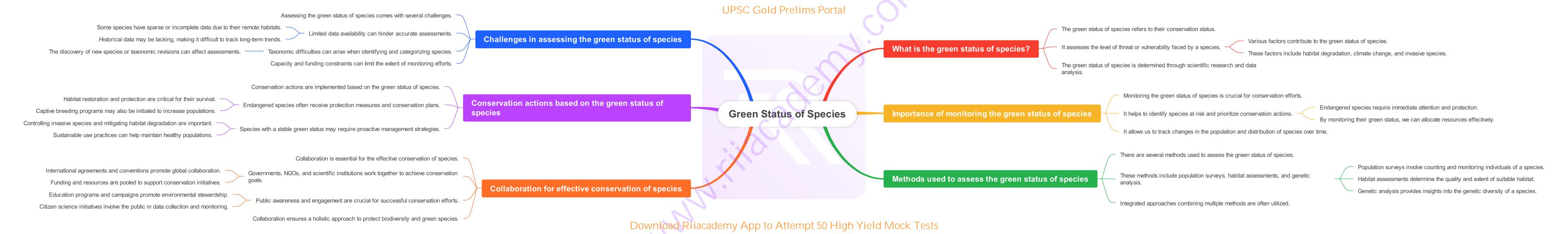


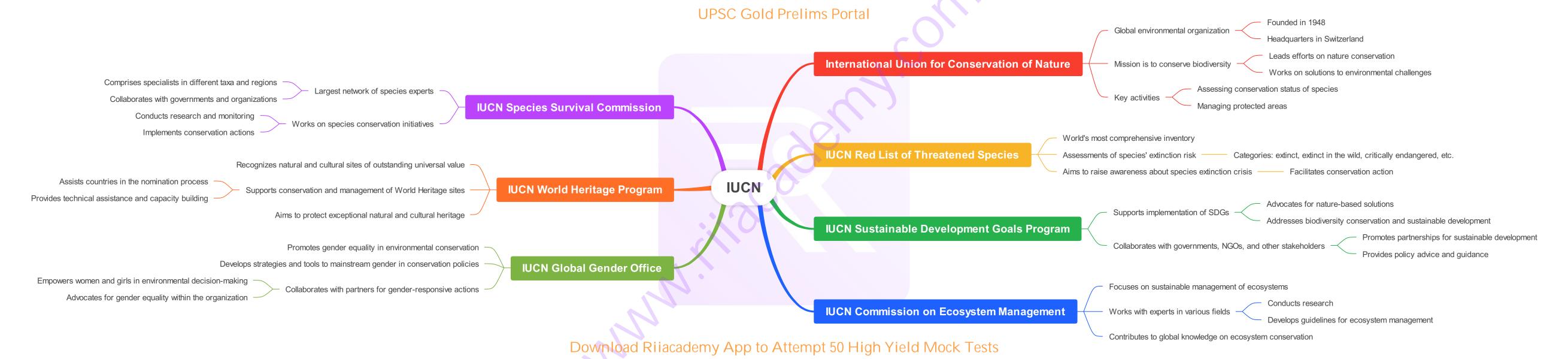


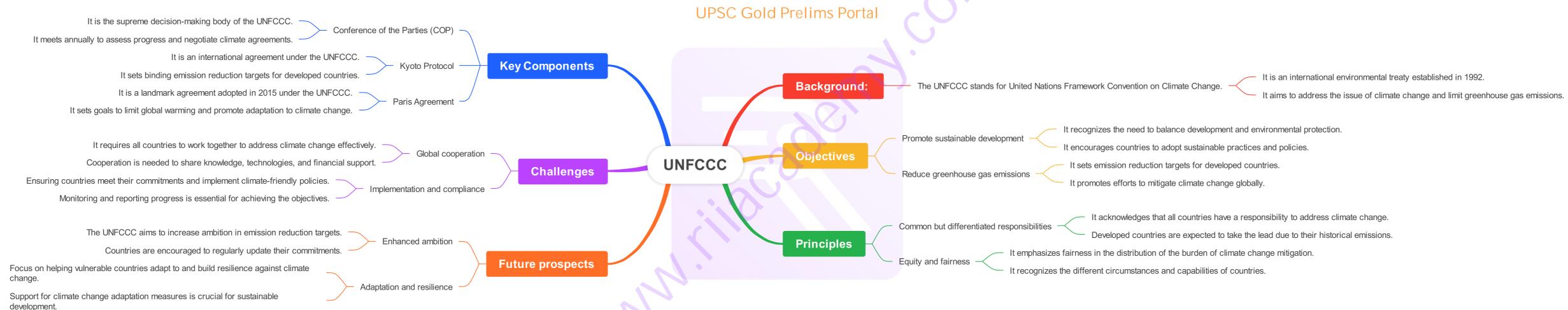


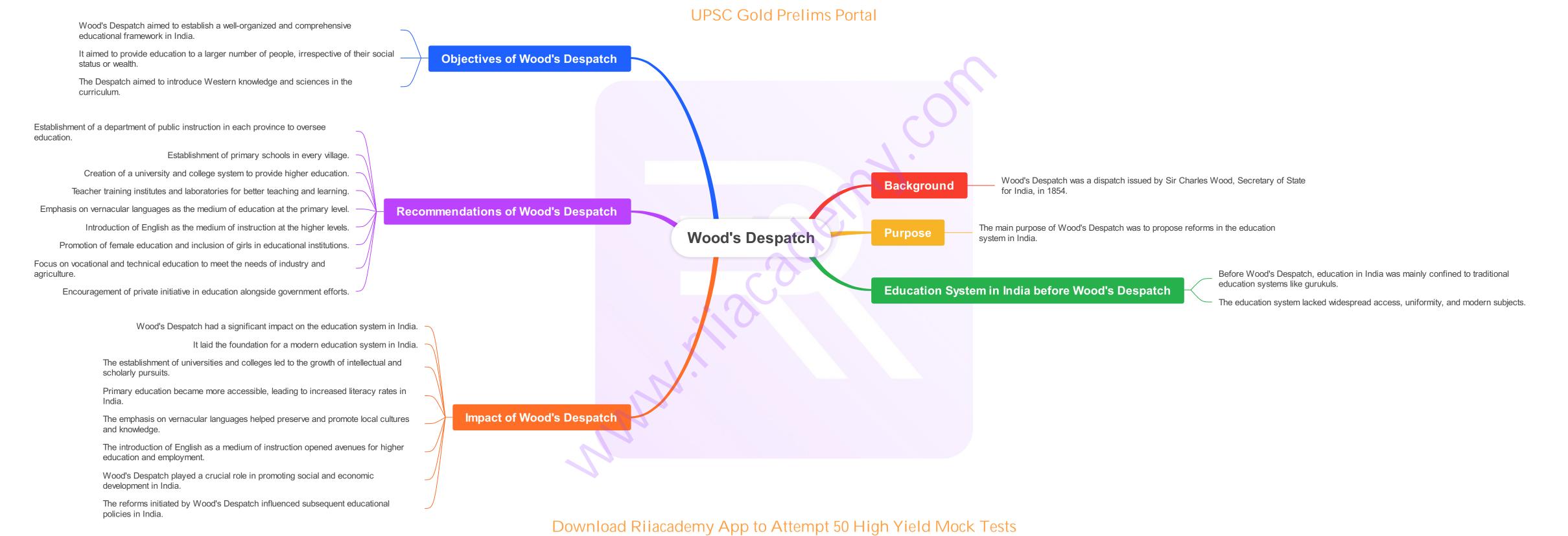
UPSC Gold Prelims Portal

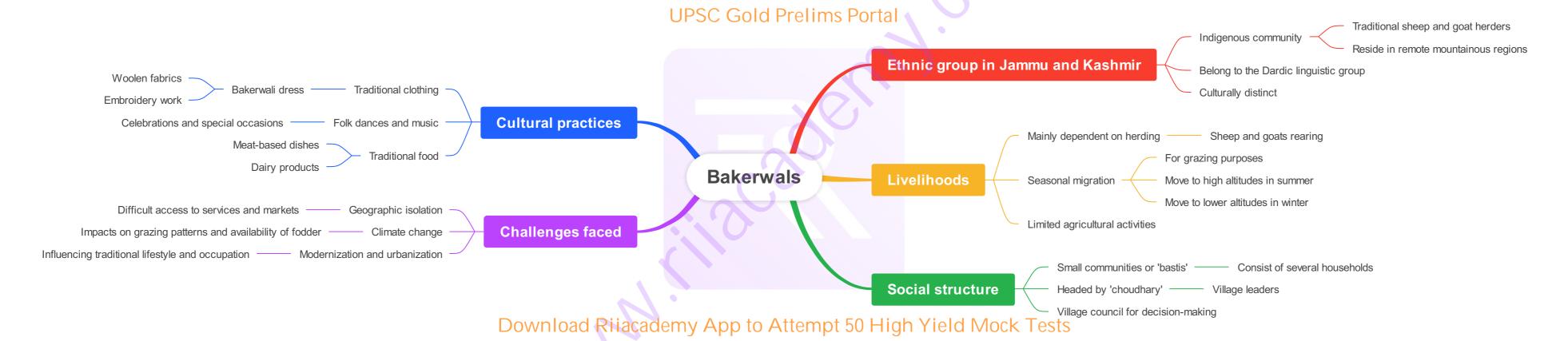


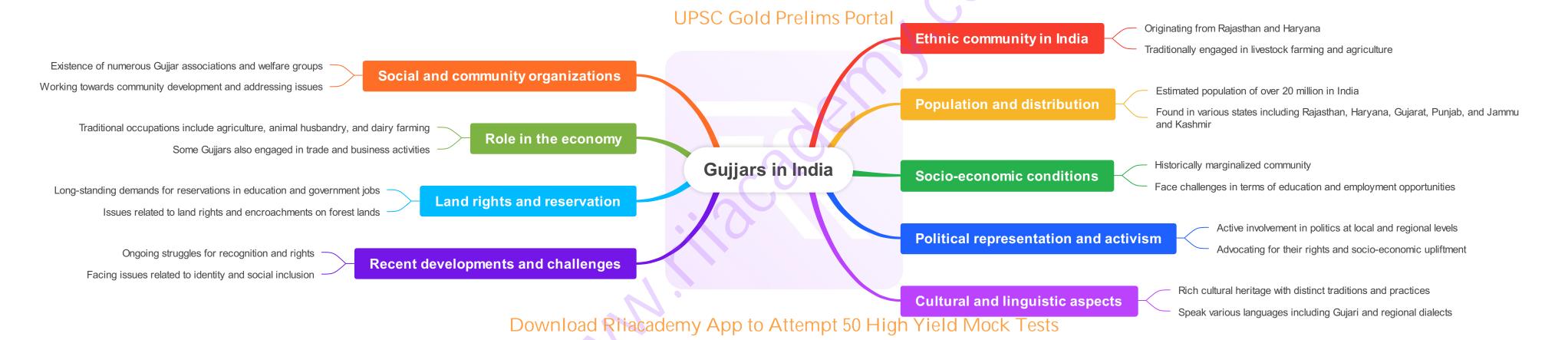








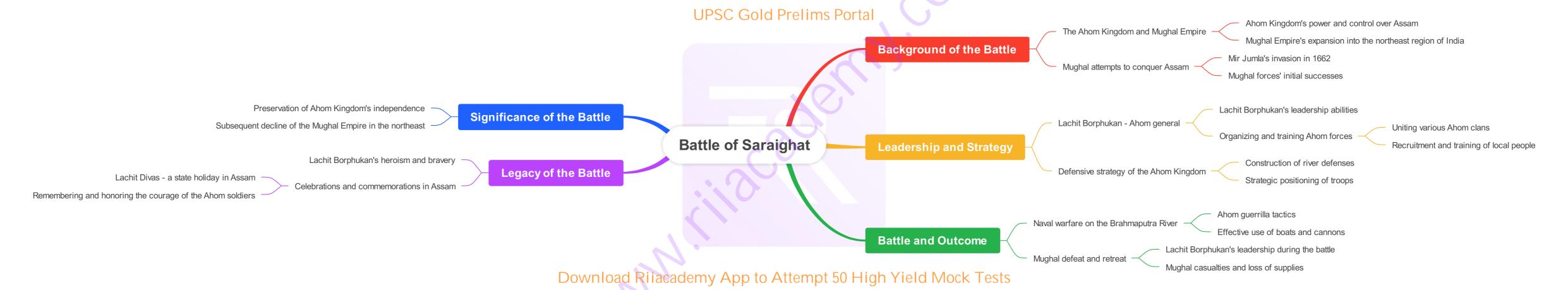




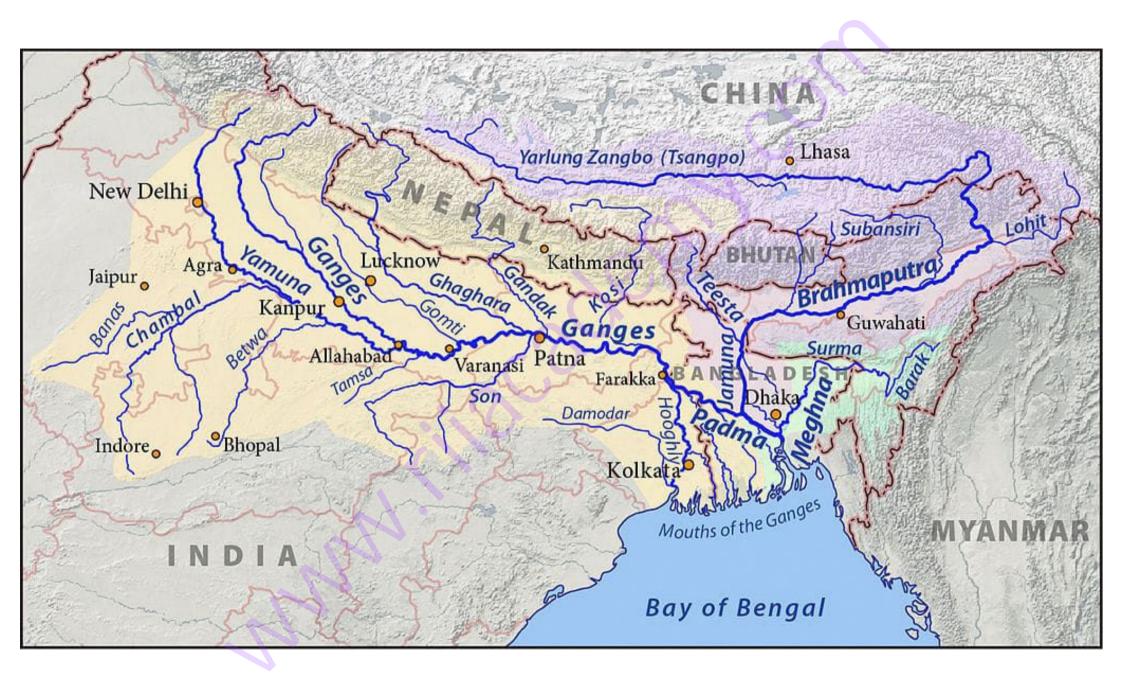
UPSC Gold Prelims Portal Sukaphaa led his people to settle in the Brahmaputra valley Founded in 1228 by Sukaphaa, a Tai prince from Mong Mao (present-day Myanmar) Establishment of the capital at Charaideo Wars and conflicts with neighboring kingdoms Expansion of the kingdom under various Ahom rulers Annexation of territories and assimilation of diverse communities Adoption of Hinduism as the state religion Socio-cultural aspects of the Ahom Kingdom Development of a distinct Ahom culture and traditions Ahom kings and their council of ministers Administration and governance in the Ahom Kingdom Land revenue system based on a well-organized bureaucracy Introduction to Ahom Kingdom, a major historical kingdom in Assam, India Promoting trade and commerce Notable achievements and contributions of the Ahom Kingdom Advancements in art, architecture, and literature Preservation of local traditions and folklore Increasing instability and external invasions Decline and fall of the Ahom Kingdom Burmese invasions in the 19th century **Ahom Kingdom** Annexation of Assam by the British in 1826 Ahom monuments and sites in Assam Preservation of Ahom heritage and cultural significance Efforts to revive and promote Ahom history and legacy **Conclusion: The Ahom Kingdom, with its rich history** and cultural heritage, played a significant role in

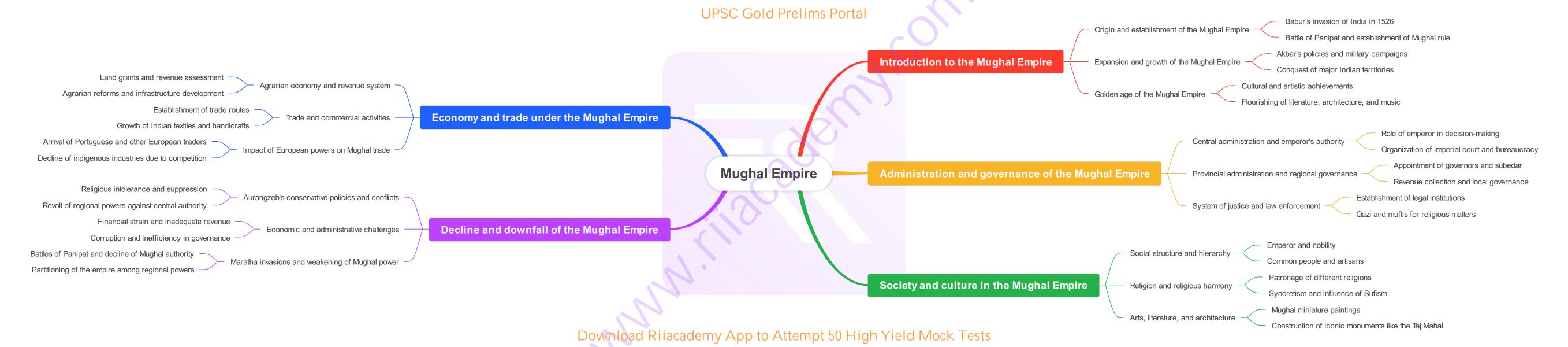
Download Rijacademy App to Attempt 50 High Yield Mock Tests

shaping the region of Assam.



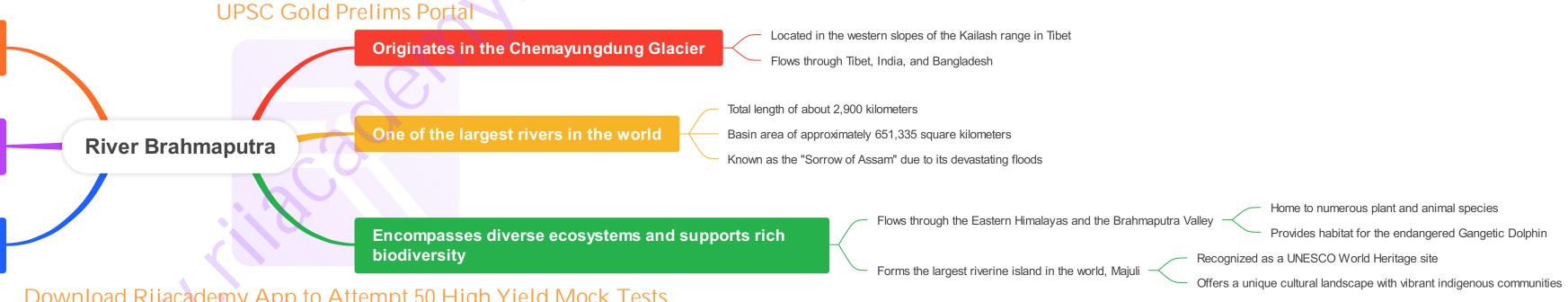
UPSC Gold Prelims Portal



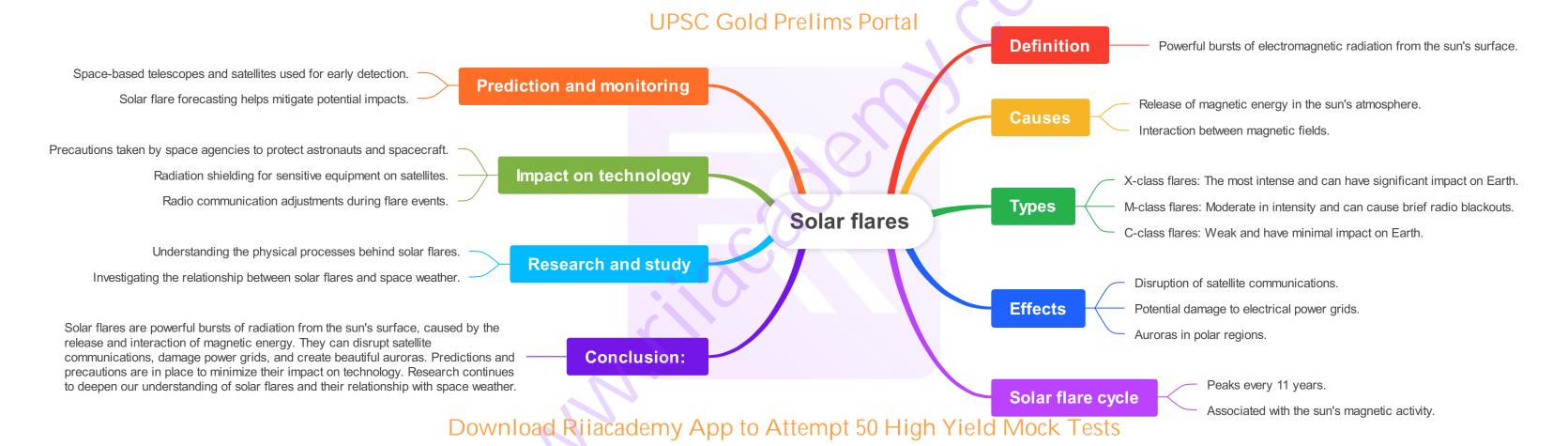


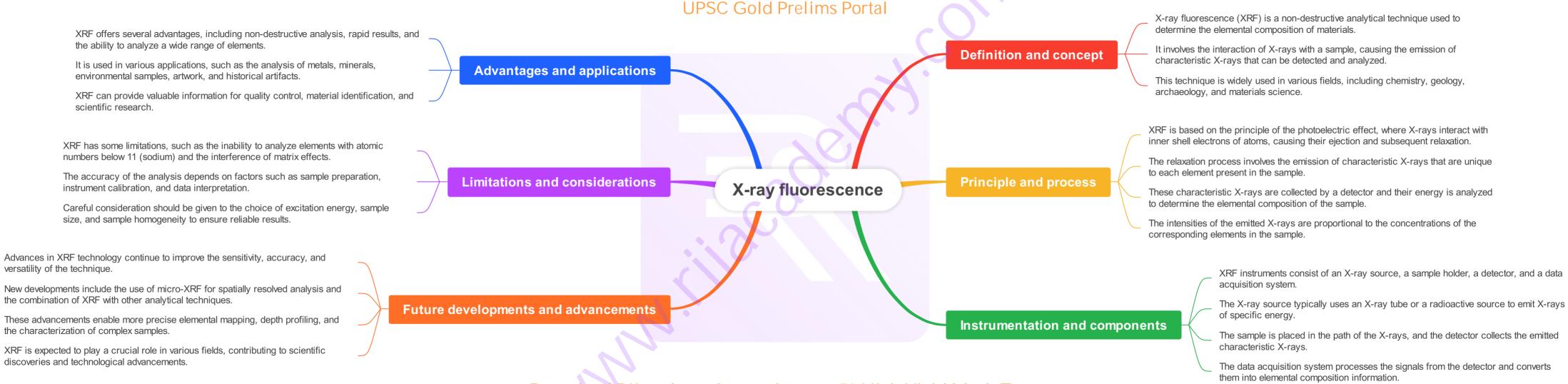












UPSC Gold Prelims Portal Observing and studying coronal holes **Future research and discoveries**

Scientists use instruments like the Solar Dynamics Observatory to observe and

impact on space weather and develop forecasting models.

complex magnetic structures.

By studying their size, shape, and evolution, researchers can better understand their

Further research is needed to improve our understanding of coronal holes and their

Scientists are also exploring the connection between coronal holes and solar flares,

as well as their role in the long-term evolution of the Sun's magnetic field.

monitor coronal holes.

Coronal holes are areas in the Sun's corona where the magnetic field lines are open, allowing the solar wind to escape into space. These regions appear darker and cooler compared to the surrounding corona. Coronal holes can form on the Sun's surface and are often associated with sunspots and active regions. They are typically found near the polar regions, but can also occur at lower latitudes during periods of solar minimum. Coronal holes are sources of high-speed solar wind, which can cause geomagnetic storms on Earth.

When charged particles from coronal holes interact with Earth's magnetosphere,

they can disrupt satellite communication and cause auroral displays.

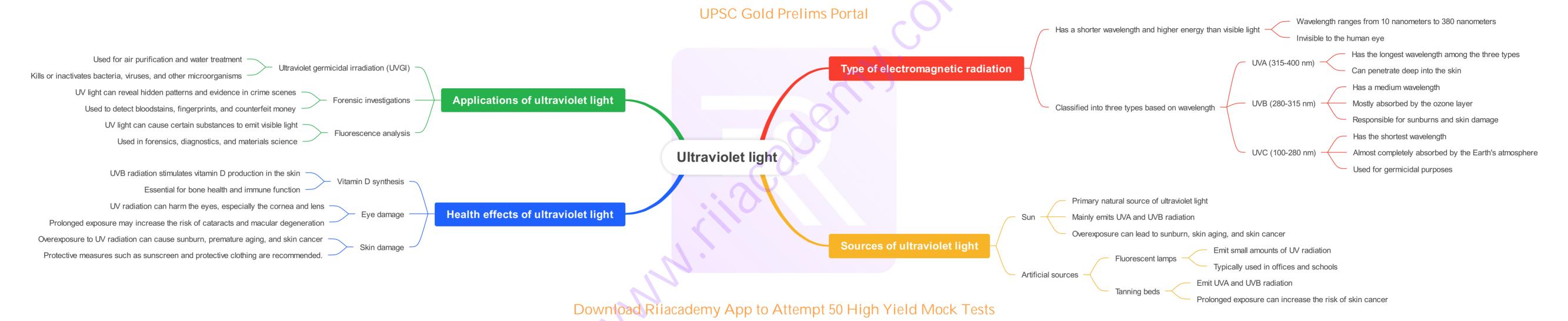
Download Rijacademy App to Attempt 50 High Yield Mock Tests

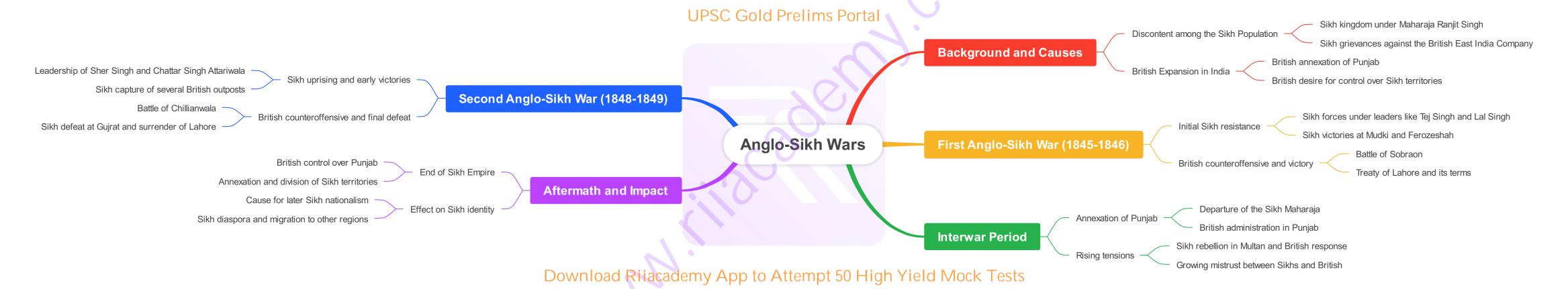
Coronal holes

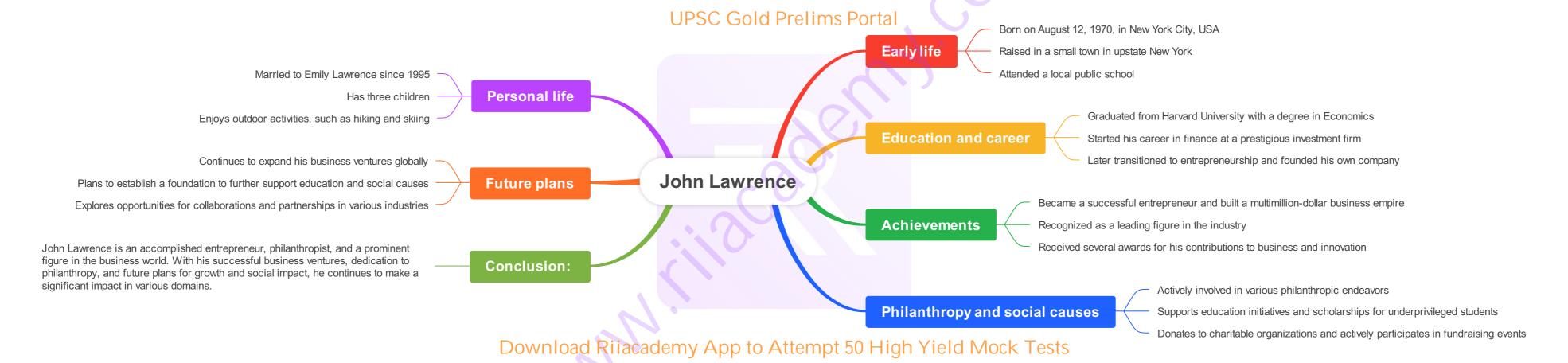
Definition and characteristics

Formation and location

Impact on space weather







Definition: The production and emission of light by a living organism. **Bioluminescence** Importance: Bioluminescence plays a significant role in ecosystems and scientific research.

UPSC Gold Prelims Portal



Dinoflagellates: Dinoflagellates are single-celled algae that emit light.

Jellyfish: Certain species of jellyfish exhibit bioluminescence.

Plankton: Bioluminescent plankton create breathtaking displays.

Fireflies: Fireflies are well-known for their bioluminescent light.

Glowworms: Glowworms create beautiful light displays in caves

Fungi: Some species of fungi emit light in the dark.

Luciferin: Luciferin is the molecule responsible for light emission.

Enzyme: An enzyme called luciferase catalyzes the reaction.

ATP: Adenosine triphosphate is commonly used as the energy source.

Oxygen: Oxygen is necessary for the reaction to occur.

Mate selection: Bioluminescent displays help organisms find suitable mates.

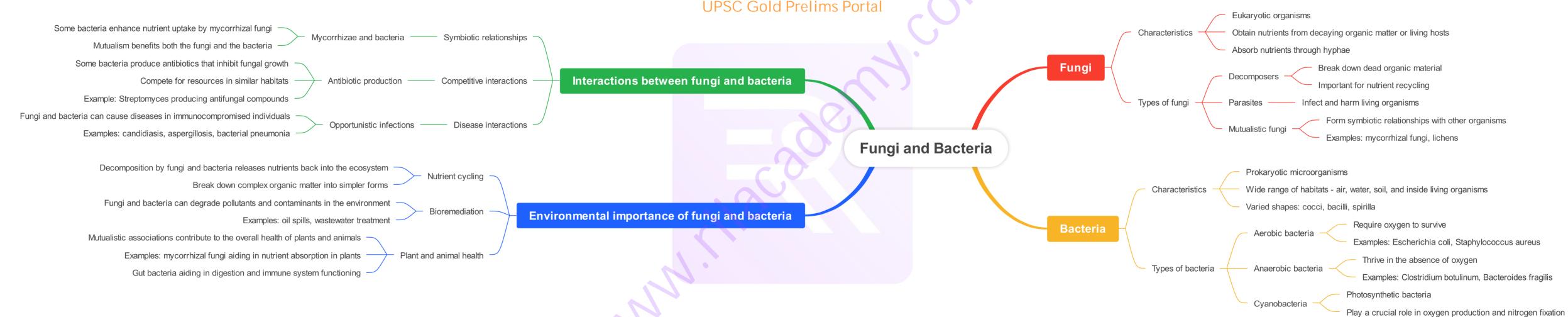
Warning signals: Some organisms use bioluminescence to warn predators.

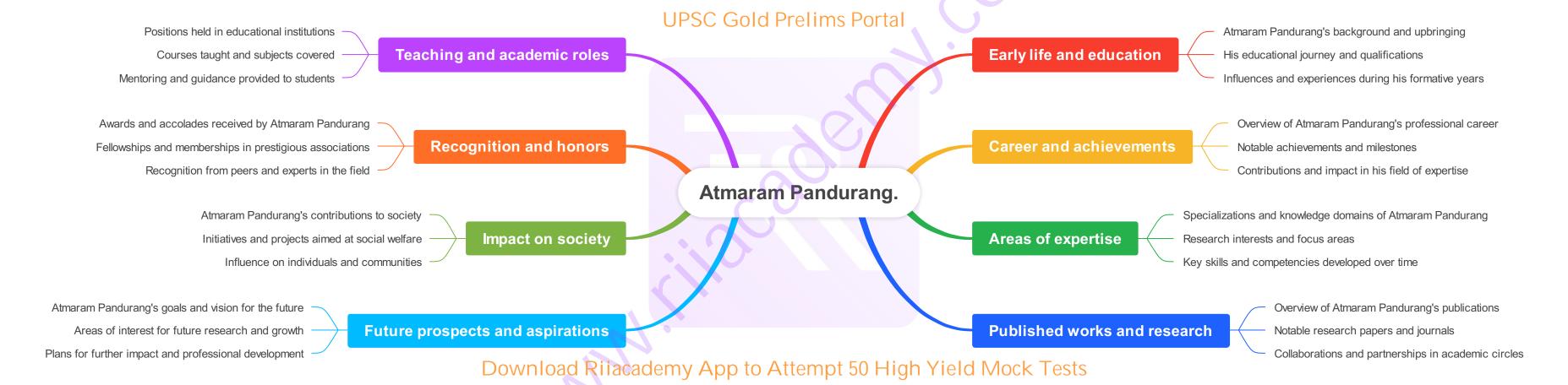
Counterillumination: Organisms control their light emission to blend with the environment.

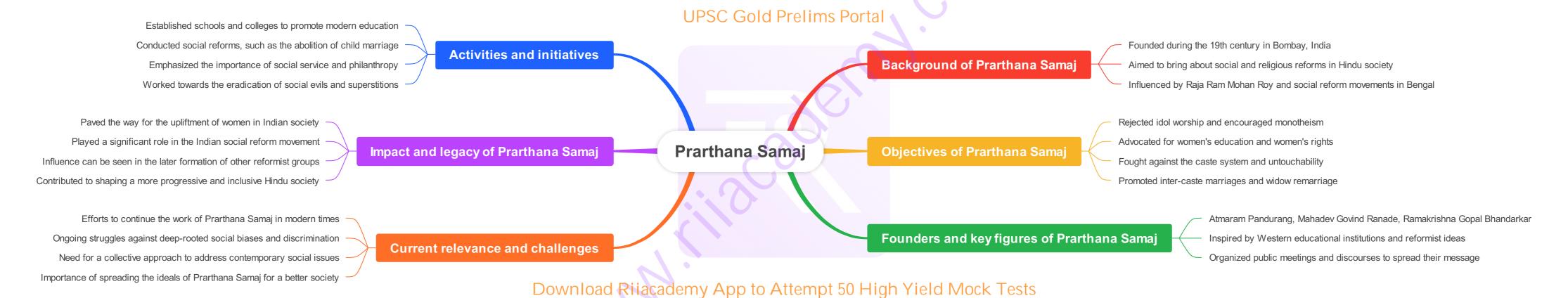
Startle predators: Some bioluminescent organisms can startle predators with sudden

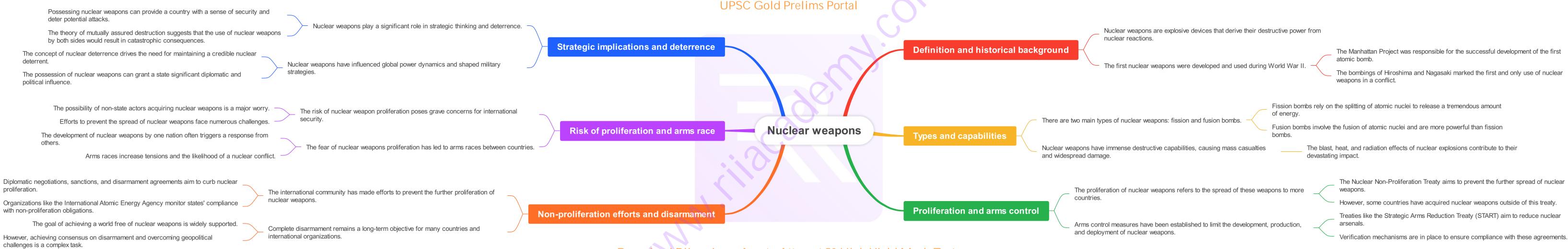
Lure: Some organisms use bioluminescent lures to attract prey.

Light detection: Some predators use bioluminescence to detect prey.









The treaty was adopted by a majority vote in the UN General Assembly, with 122 countries in favor, one against, and one abstention.

As of now, 54 states have signed the treaty, and 32 have ratified it, triggering its entry into force 90 days after the fiftieth ratification.

The treaty is open for signature and accession to all states, regardless of whether they possess nuclear weapons.

Some nuclear-armed states, including the United States, Russia, and China, have not participated in the treaty negotiations and have expressed their opposition to it.

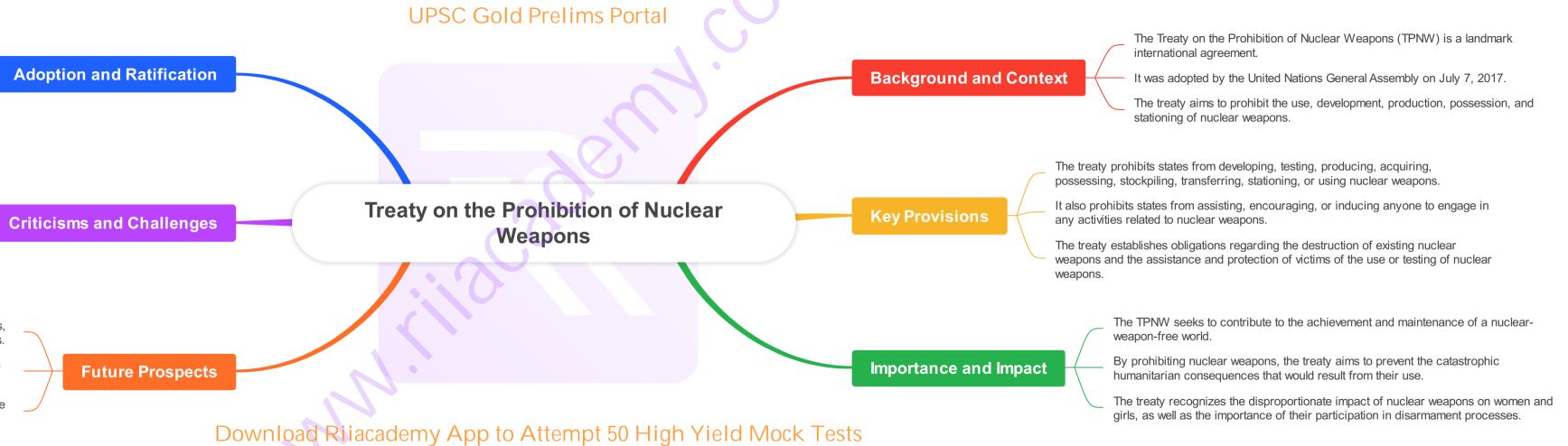
Critics argue that the treaty fails to consider the complex security challenges faced by nuclear-armed states and that it diverts attention from other disarmament initiatives.

The treaty's entry into force relies on the ratification of a sufficient number of states, which may be challenging to achieve.

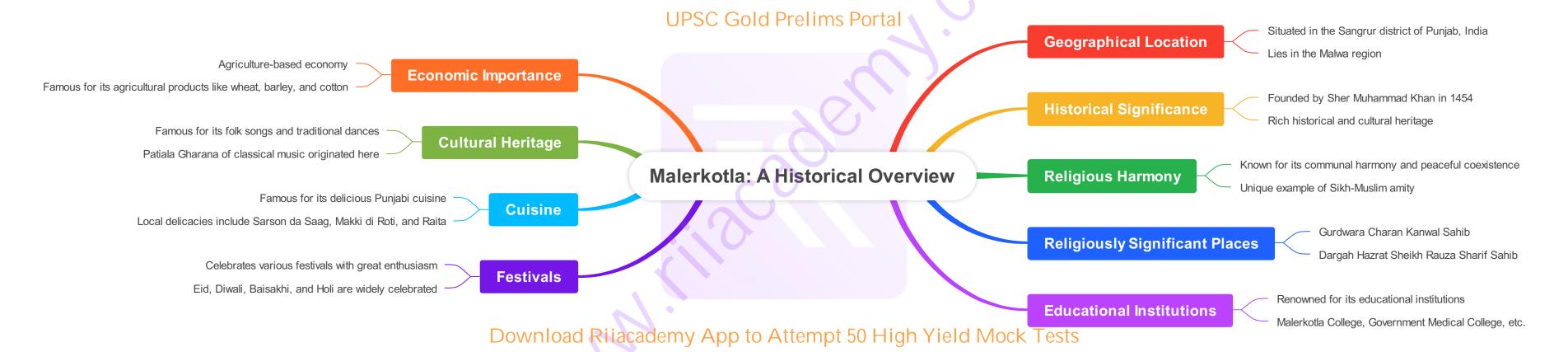
The treaty represents a significant step towards the elimination of nuclear weapons, but its impact ultimately depends on the cooperation and engagement of key states.

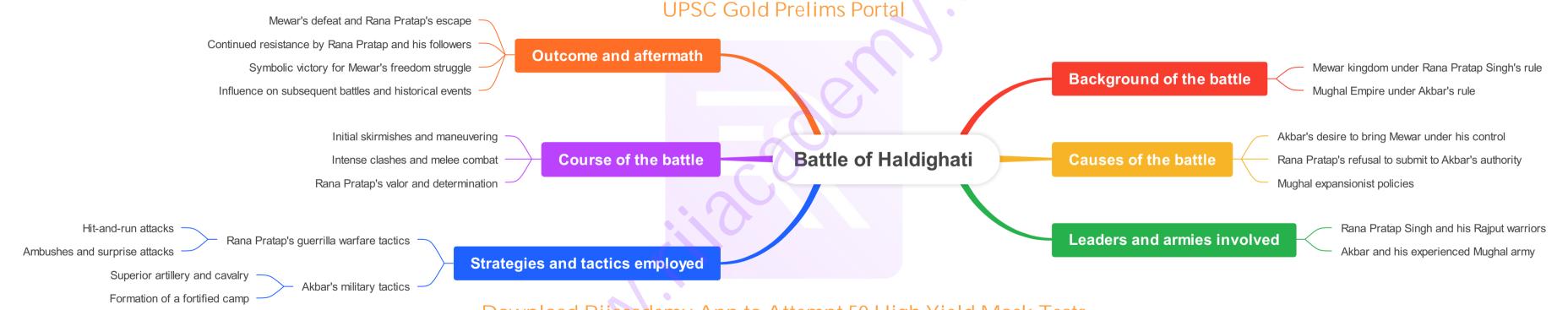
Advocates continue to push for the universalization of the treaty through diplomatic efforts and public awareness campaigns.

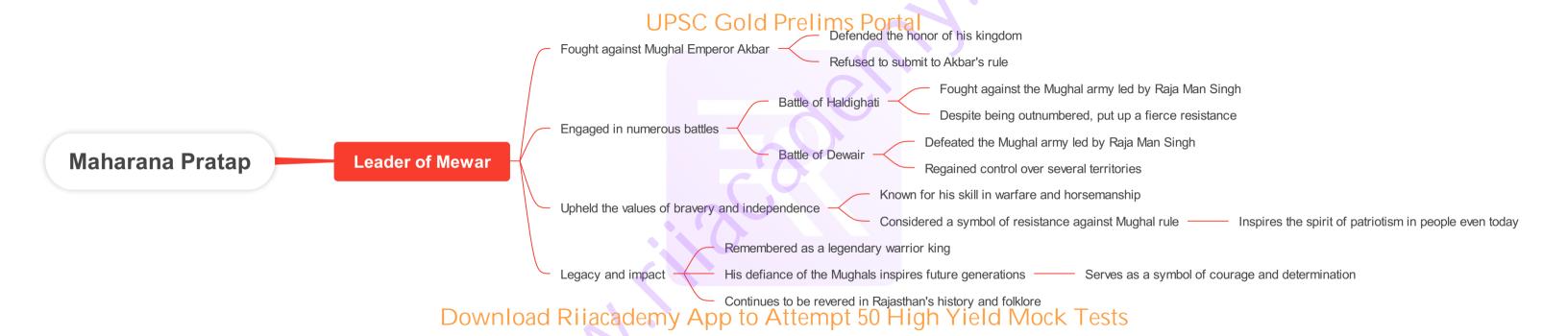
The TPNW complements existing disarmament agreements and efforts, such as the Treaty on the Non-Proliferation of Nuclear Weapons.

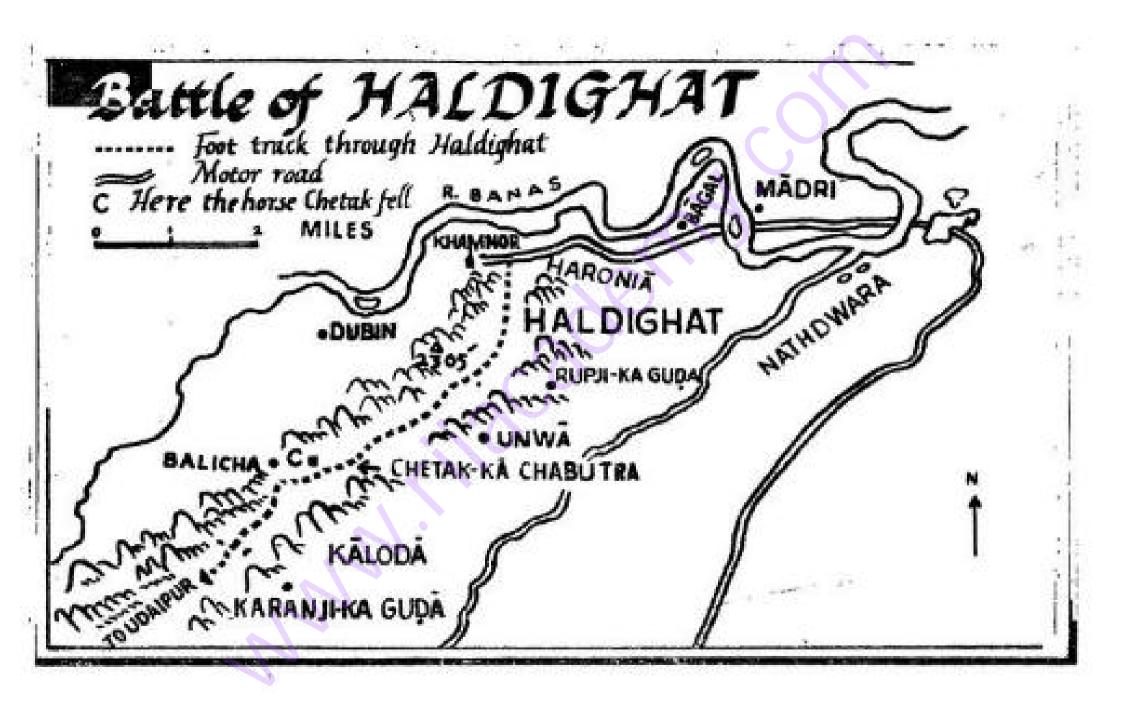


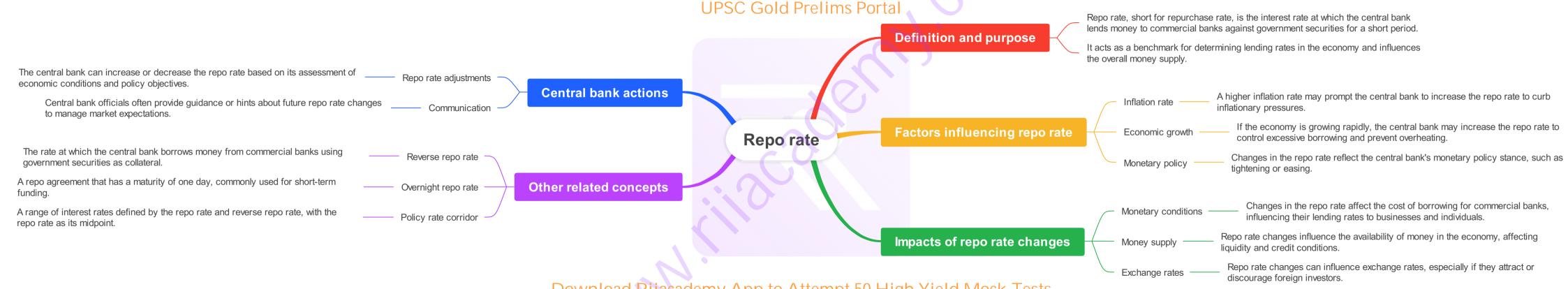


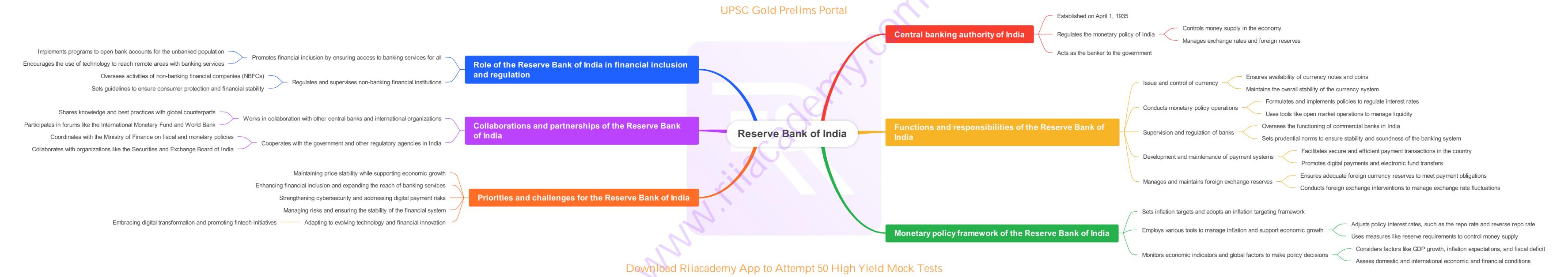




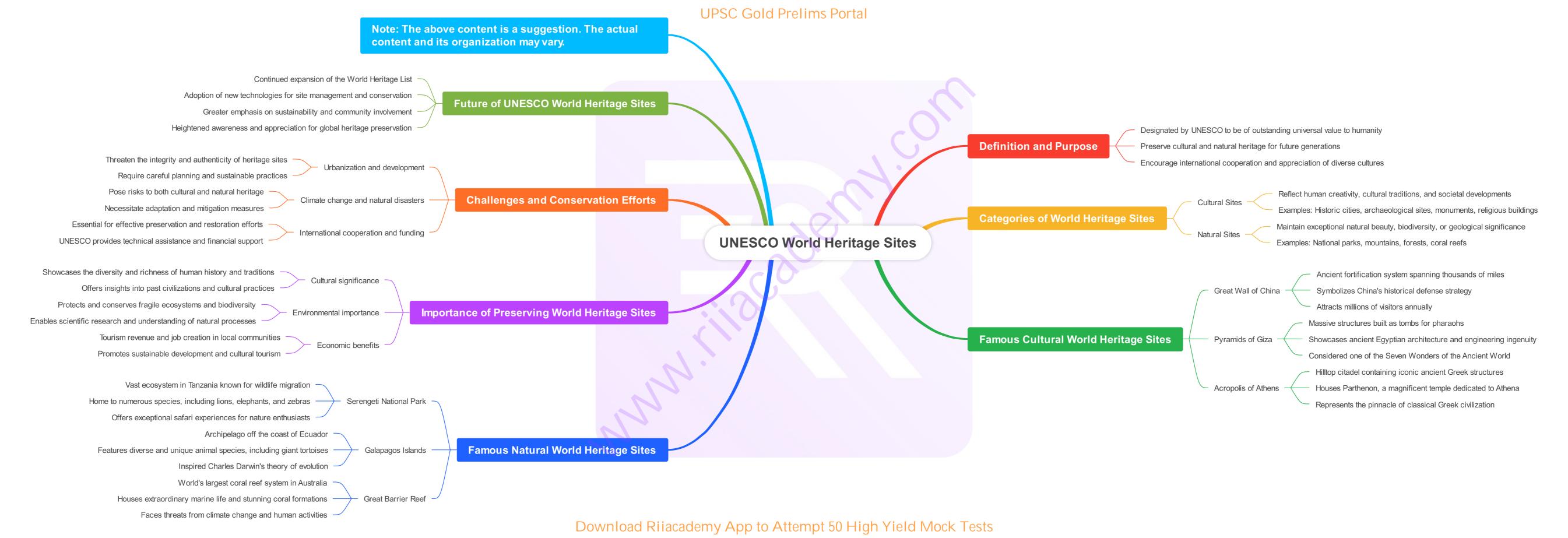


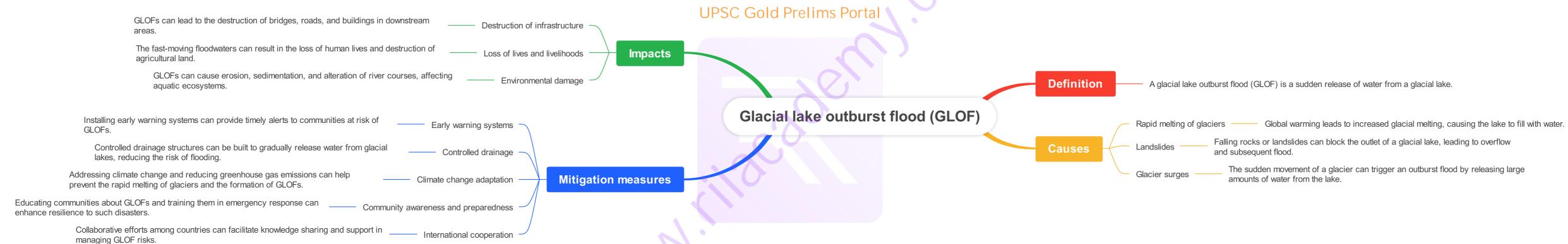


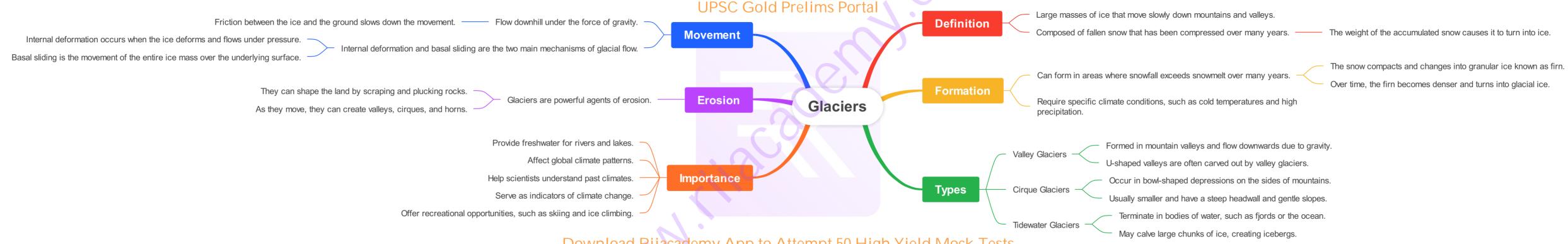


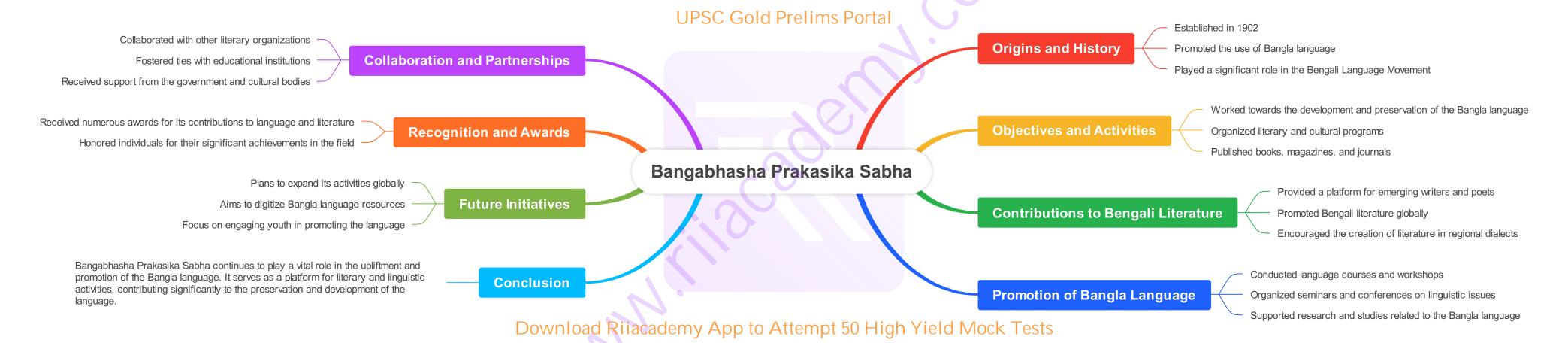


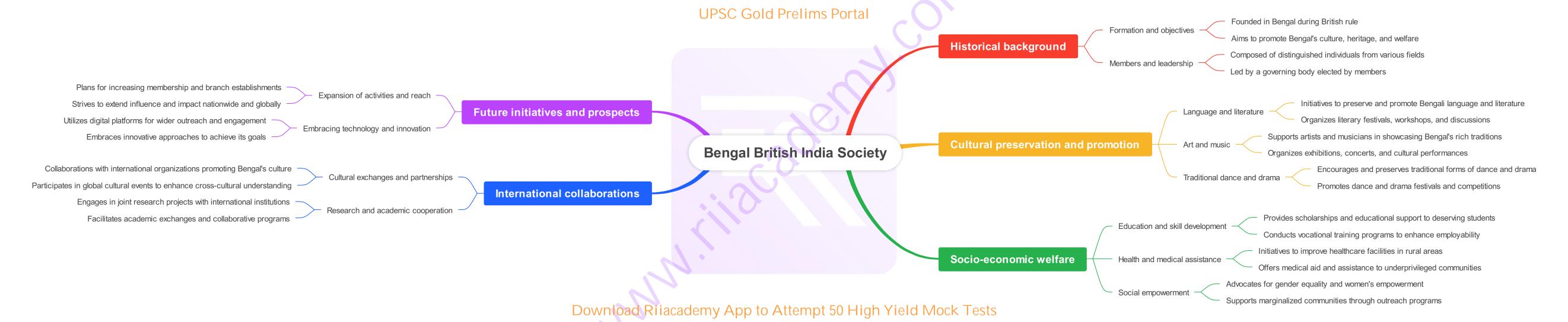












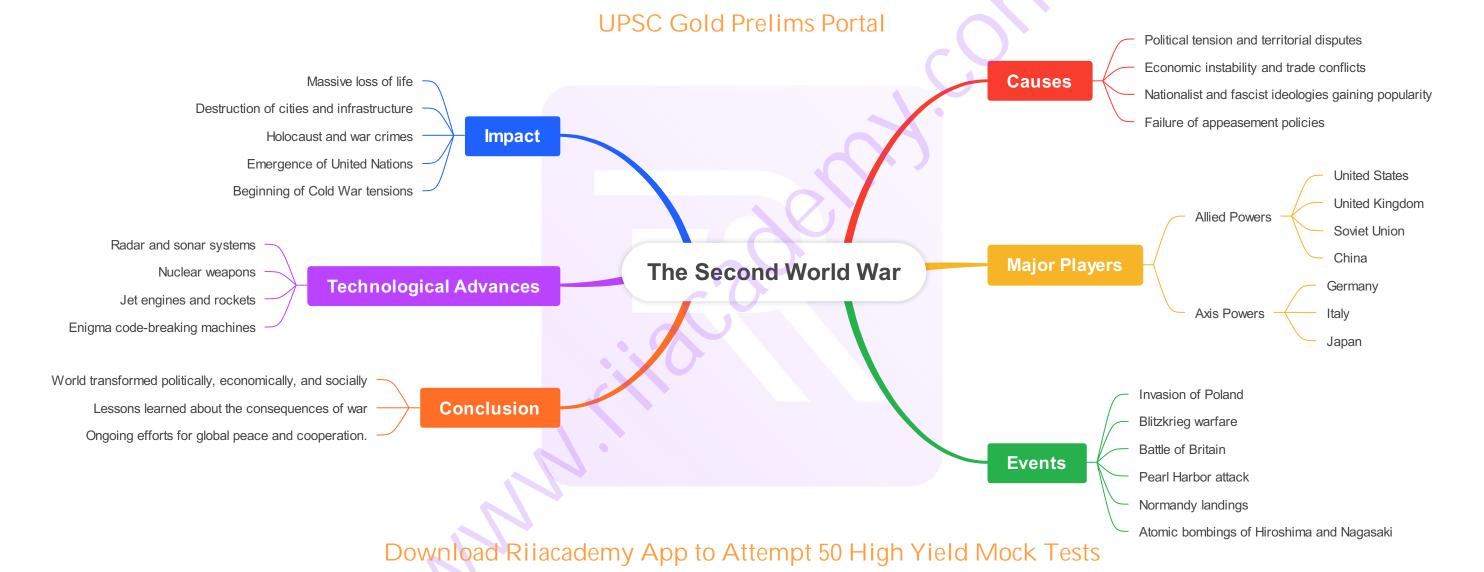
Five Eyes alliance

An intelligence alliance consisting of five Englishspeaking countries

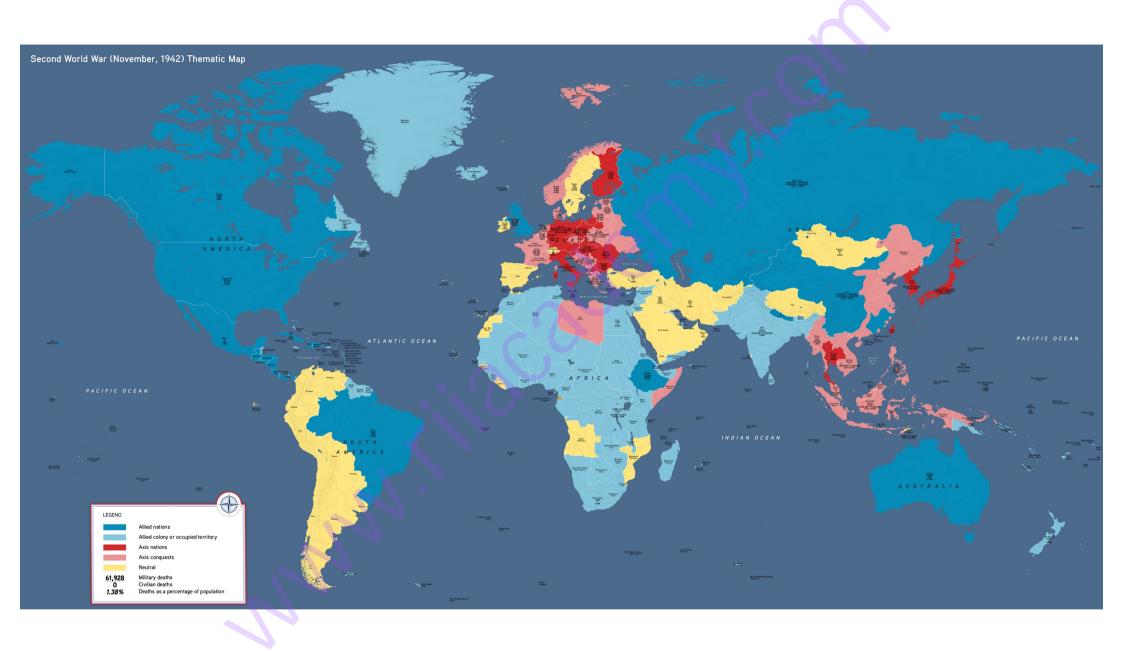


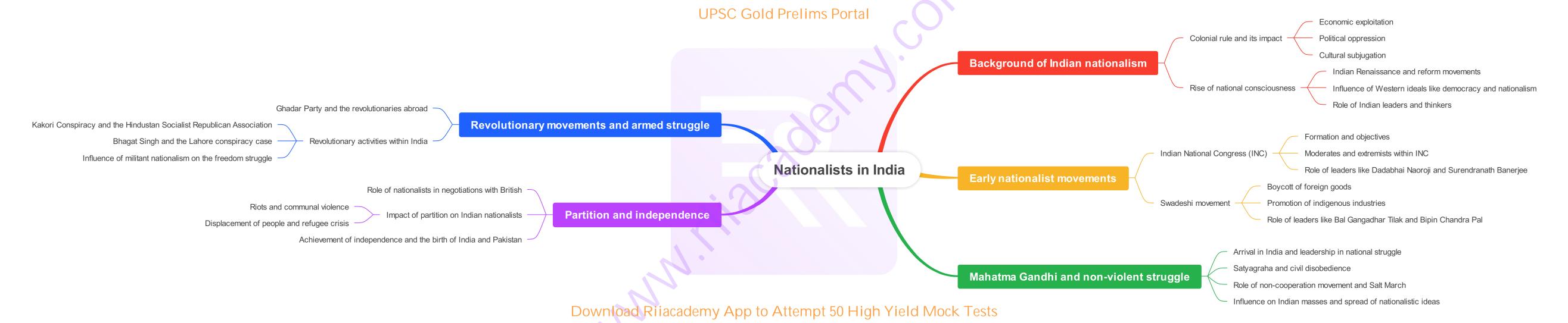
Snowden leaks revealed surveillance programs operated by Five Eyes

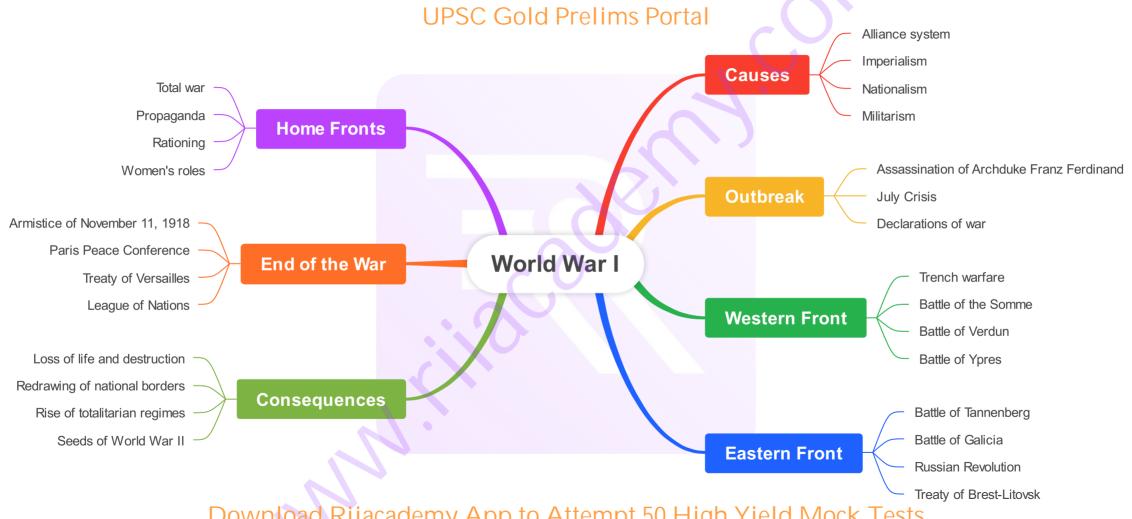
Criticized for potential violation of civil liberties and privacy rights



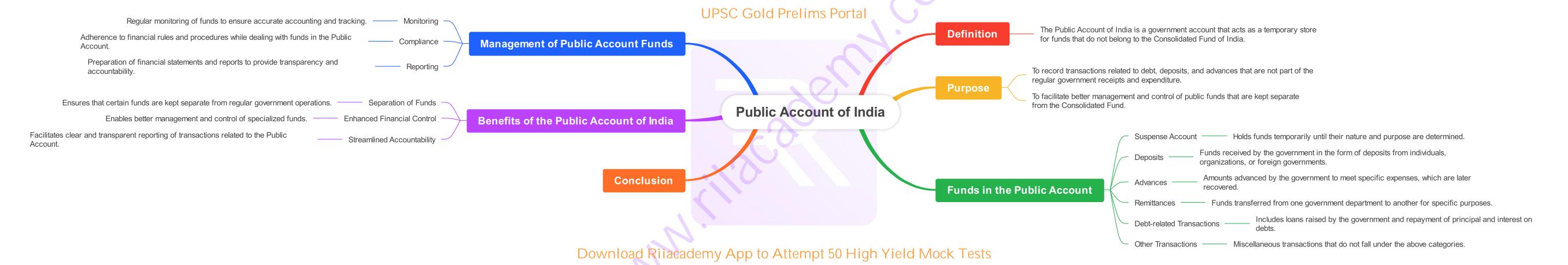
UPSC Gold Prelims Portal

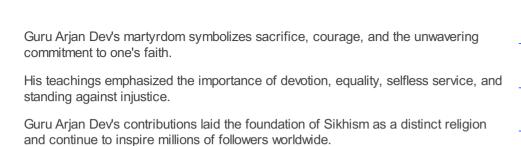












Sikhs commemorate the martyrdom of Guru Arjan Dev with devotion and hold special prayers and processions called Shaheedi Diwas.

The Golden Temple, the holy shrine built by Guru Arjan Dev, remains a significant pilgrimage site for Sikhs and attracts millions of visitors each year.

Guru Arjan Dev's writings and compositions, included in the Guru Granth Sahib, provide profound insights into spirituality, devotion, and the concept of Hukam.

He emphasized the belief in a single formless God, social justice, and the importance of Guru-guided spirituality.

Guru Arjan Dev's teachings continue to guide Sikh philosophy and shape the spiritual journey of Sikhs.

UPSC Gold Prelims Portal 4. Legacy and Importance Guru Arjan Dev

I. Life and Background

Guru Arjan Dev, the fifth Sikh Guru and the first Martyr Guru, born on April 15, 1563.

He was the son of Guru Ram Das, the fourth Sikh Guru, and Mata Bhani.

Guru Arjan Dev was a spiritual leader and a poet, contributing to the compilation of the Guru Granth Sahib

5. Reverence and Commemoration

2. Contributions to Sikhism

Compiled the Adi Granth, the first official scriptures of Sikhism, and added the compositions of previous Gurus.

Promoted the idea of Sikhism as a separate religion and constructed the Harmandir Sahib, popularly known as the Golden Temple, in Amritsar.

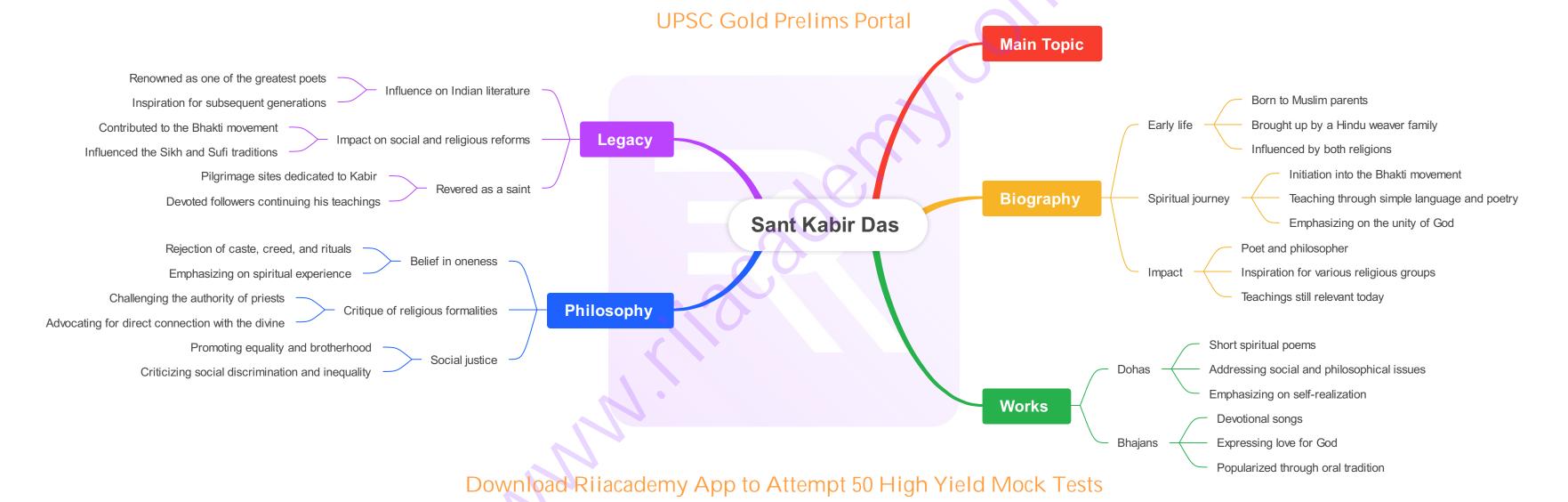
6. Influence on Sikh Philosophy

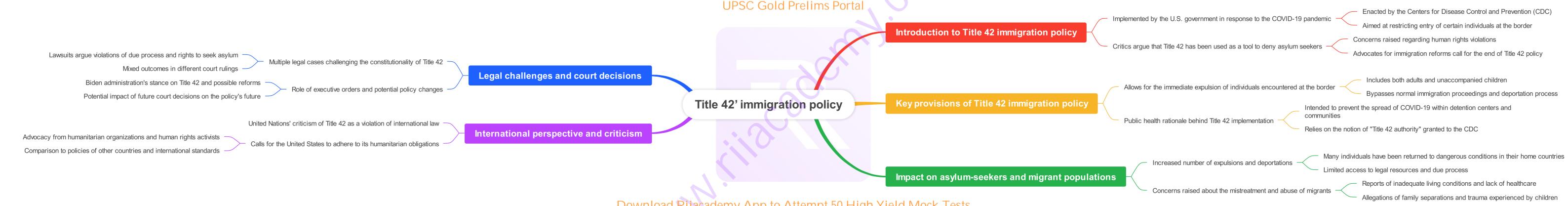
3. Challenges and Martyrdom

Guru Arjan Dev faced severe persecution and torture under the orders of Emperor Jahangir.

Refused to convert to Islam and was arrested, subjected to physical and mental torture, and eventually martyred in 1606.

His martyrdom strengthened the resolve of Sikhs and inspired them to fight for religious freedom.





It is home to several world-renowned universities and scientific research institutions.

The country has a diverse landscape, ranging from vast plains to towering mountains.

Tourism is a significant industry in the United States, attracting millions of visitors each year.

The United States is a constitutional democracy, with a system of checks and balances.

The country is known for its iconic landmarks and symbols, such as the Statue of Liberty.

It is a leader in many fields, including entertainment, fashion, and sports.

The United States has a complex legal system, with federal and state courts.

It is a member of various international organizations, including the United Nations and NATO.

The country has a strong military force and is committed to national security.

The United States values freedom, equality, and individual rights.

United States of America is a country in North America.

UPSC Gold Prelims Portal

It is bordered by Canada to the north and Mexico to the south.

The country consists of 50 states, along with Washington D.C. as its capital district.

The United States has a diverse population, with people from all over the world.

It is known for its cultural diversity and as a melting pot of different ethinicities.

The country is a federal republic with a strong democratic tradition.

The United States is a global superpower, with a significant influence on world politics.

It has a strong economy and is one of the largest trading nations in the world.

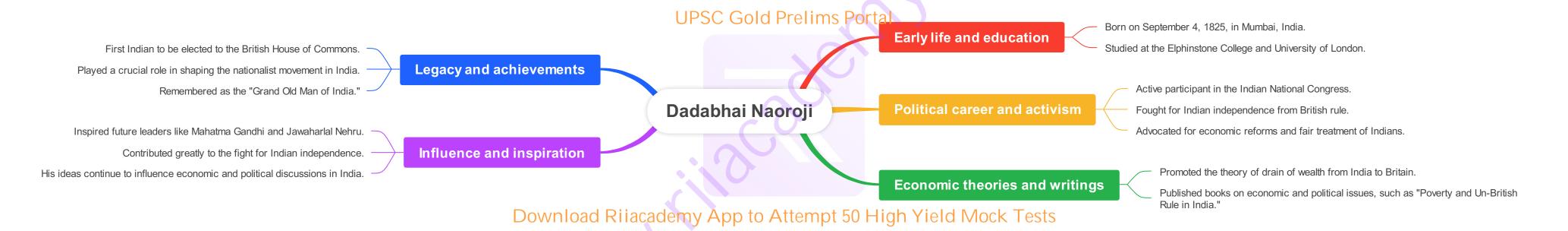
The United States has a rich history, with the founding of the country dating back to 1776.

The country has faced significant challenges, including the Civil War and the Great Depression.

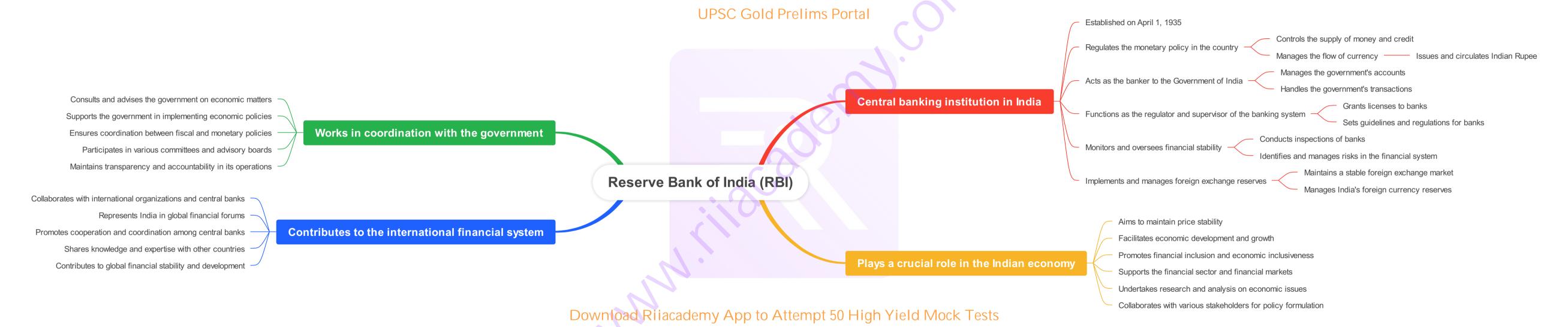
It has played a crucial role in major historical events, such as World War II and the Cold War.

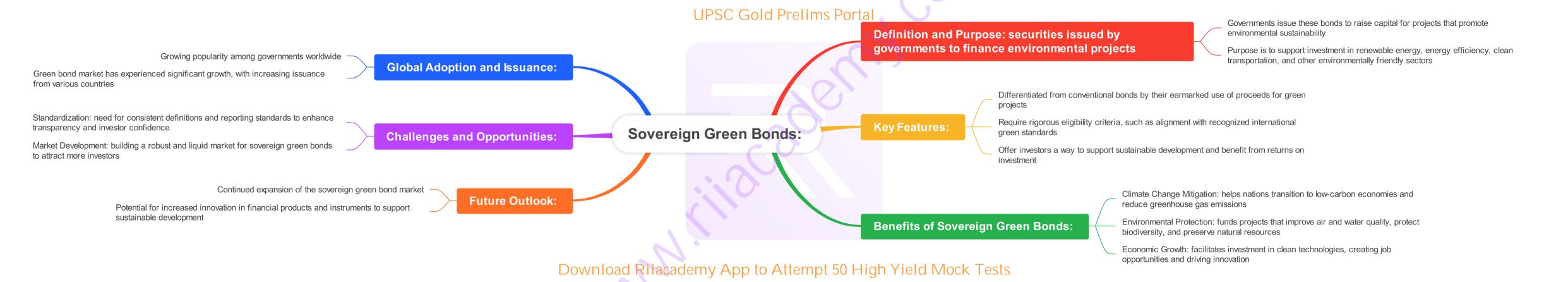
The United States is known for its advancements in technology and innovation.

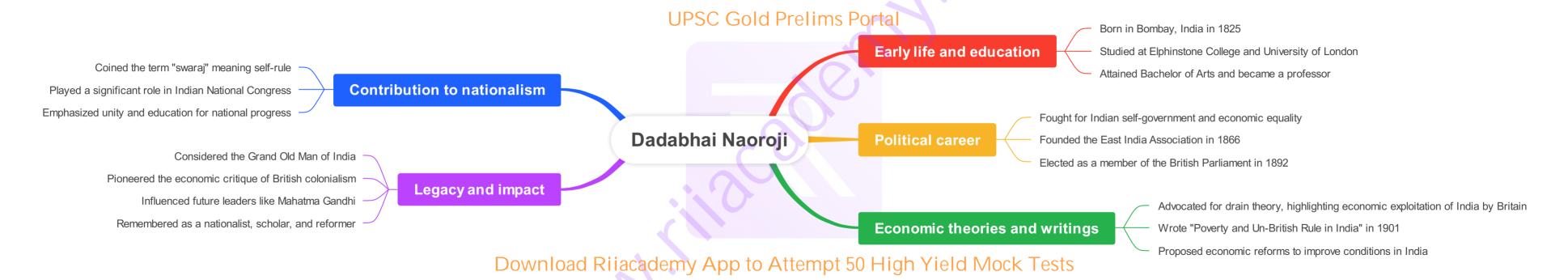


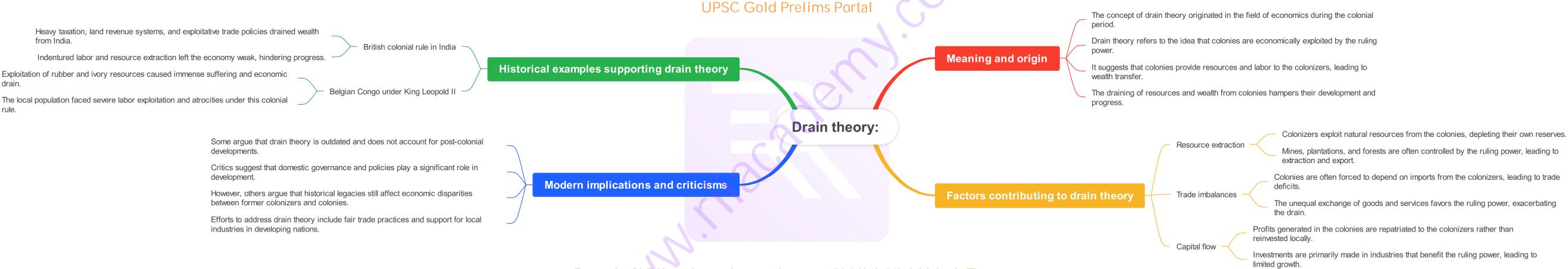


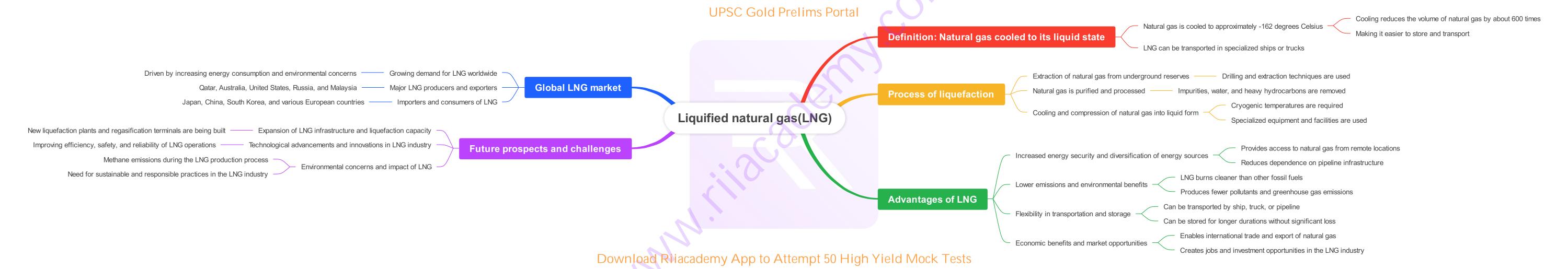


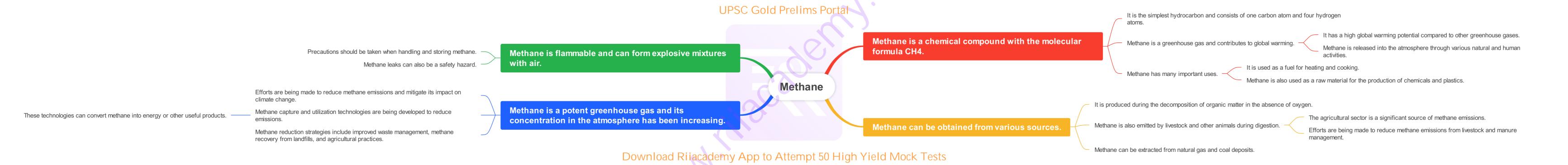






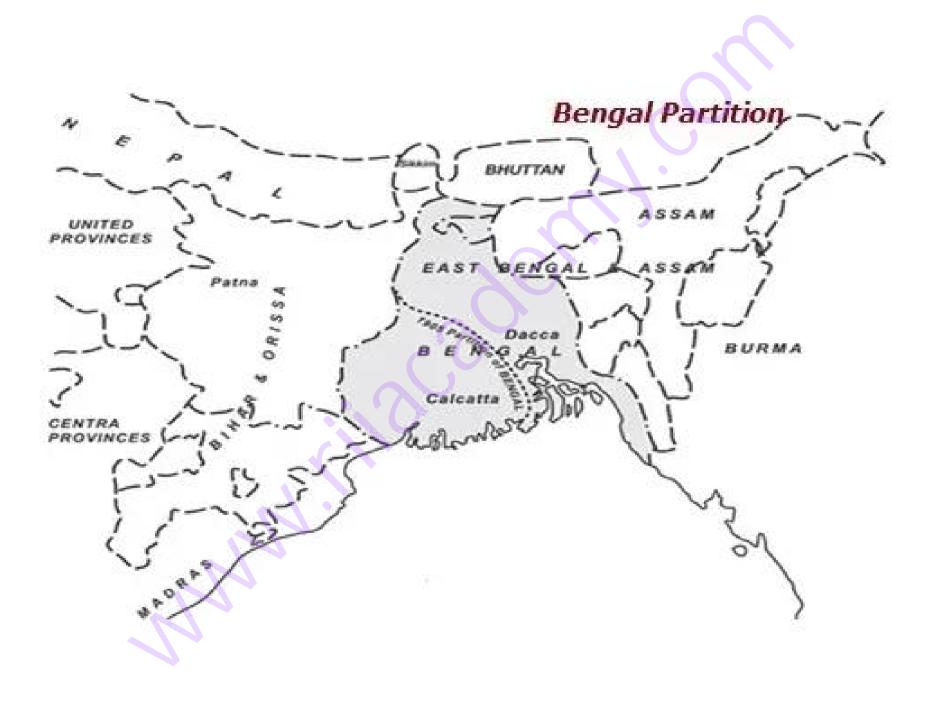


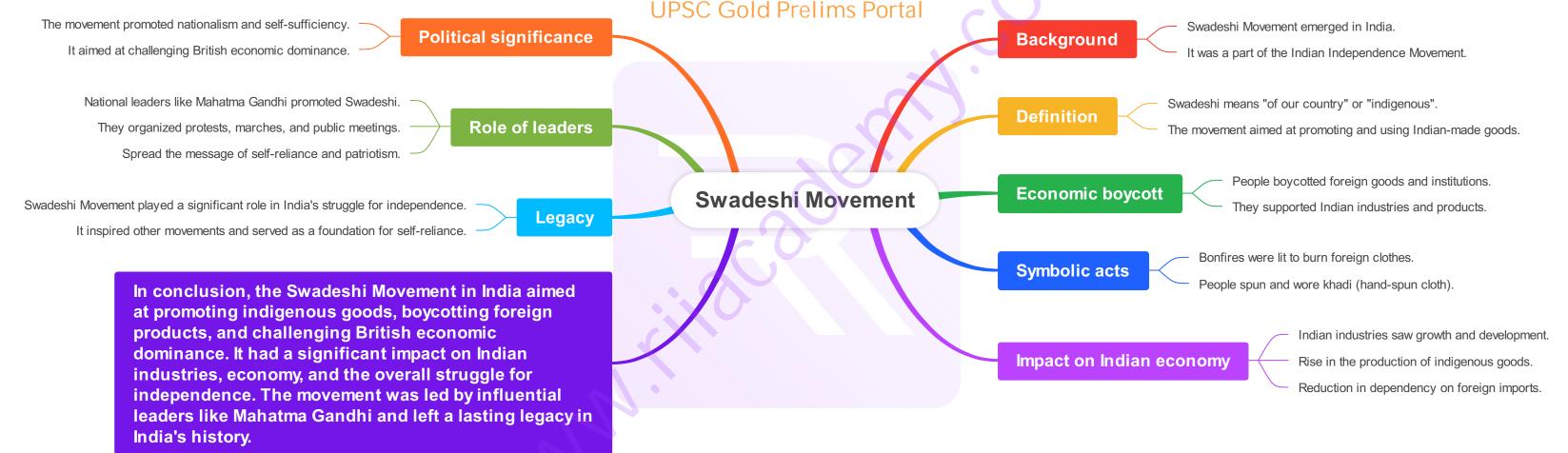


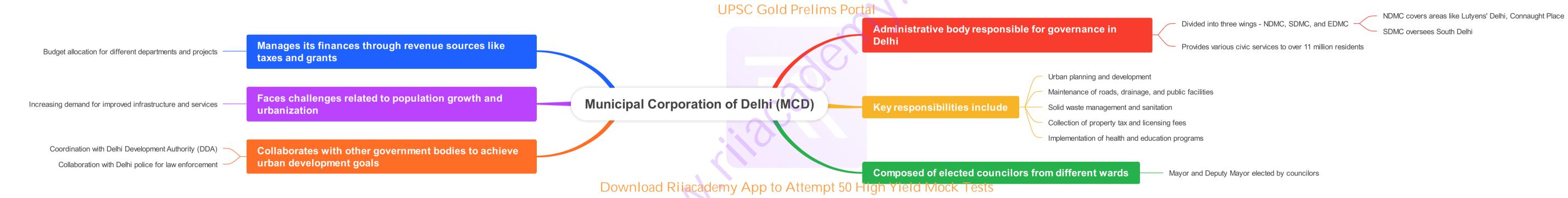




UPSC Gold Prelims Portal







Coordination: Balancing the interests and policies of different levels of government can be complex and time-consuming

Inconsistencies: Policies and regulations may vary across regions, leading to potential disparities

Power struggles: Disputes over authority and jurisdiction can arise between the central and regional governments

United States: A federal system with powers divided between the federal government and individual states

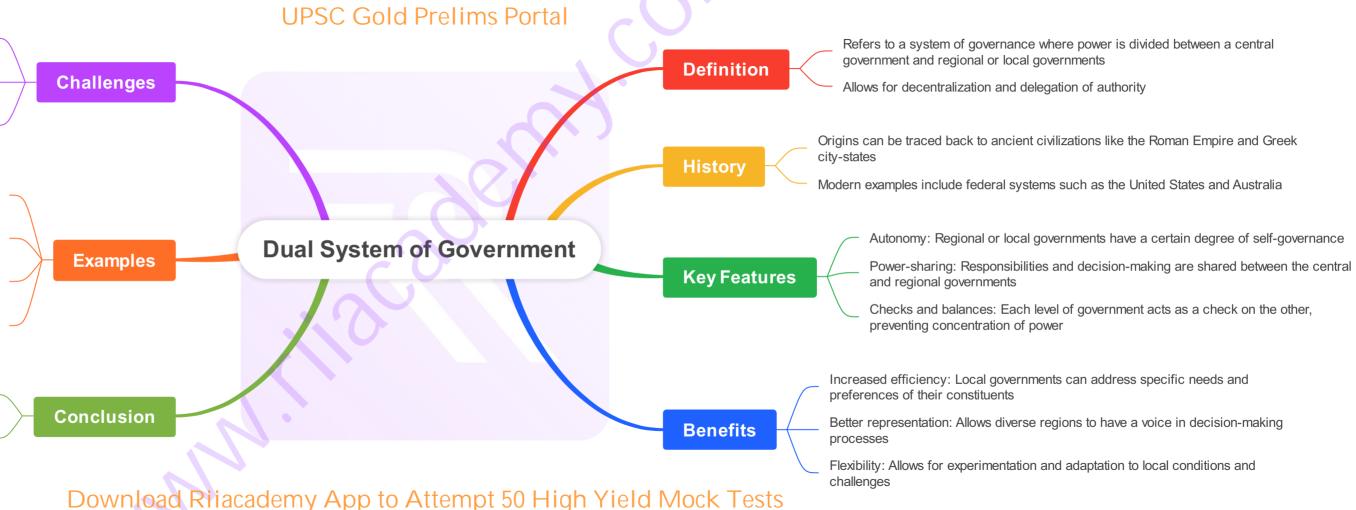
Germany: A federal system with power-sharing between the federal government and its 16 states

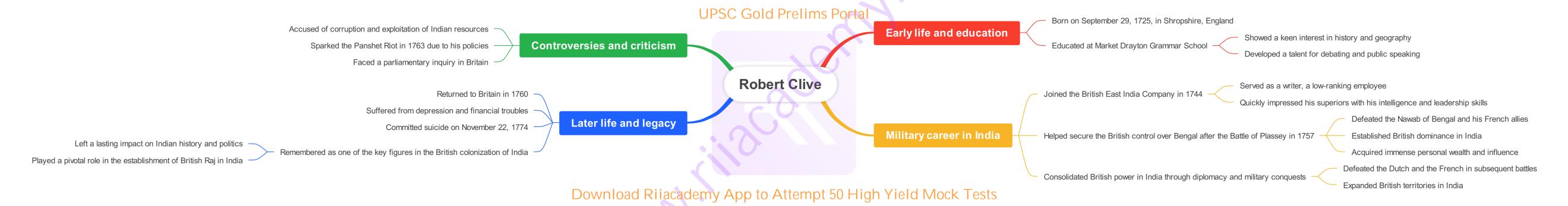
Switzerland: Operates under a federal system with significant autonomy for its cantons

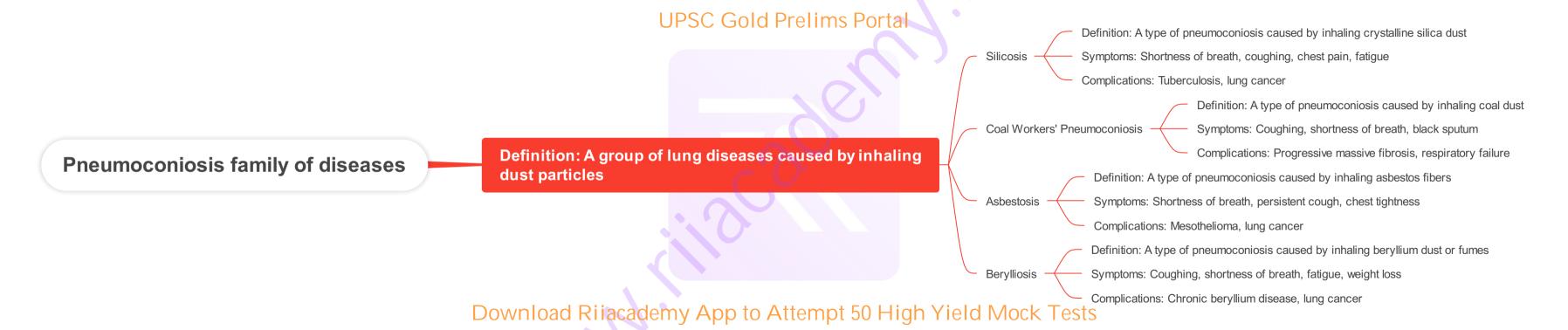
India: A federal system with a strong central government and states having varying degrees of autonomy

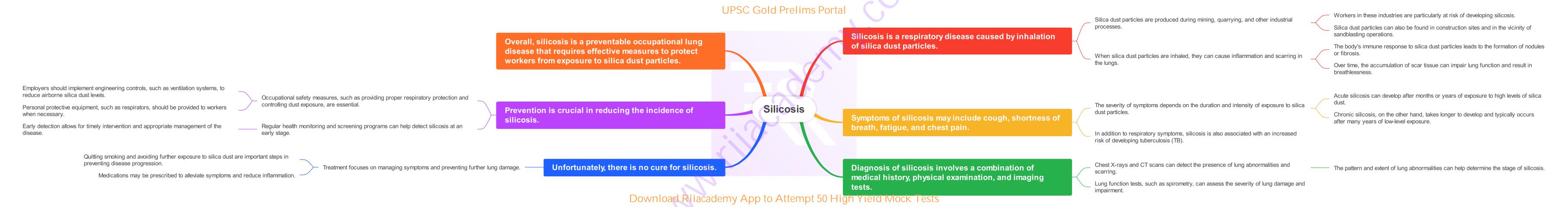
The dual system of government allows for a balance between centralized authority and regional autonomy

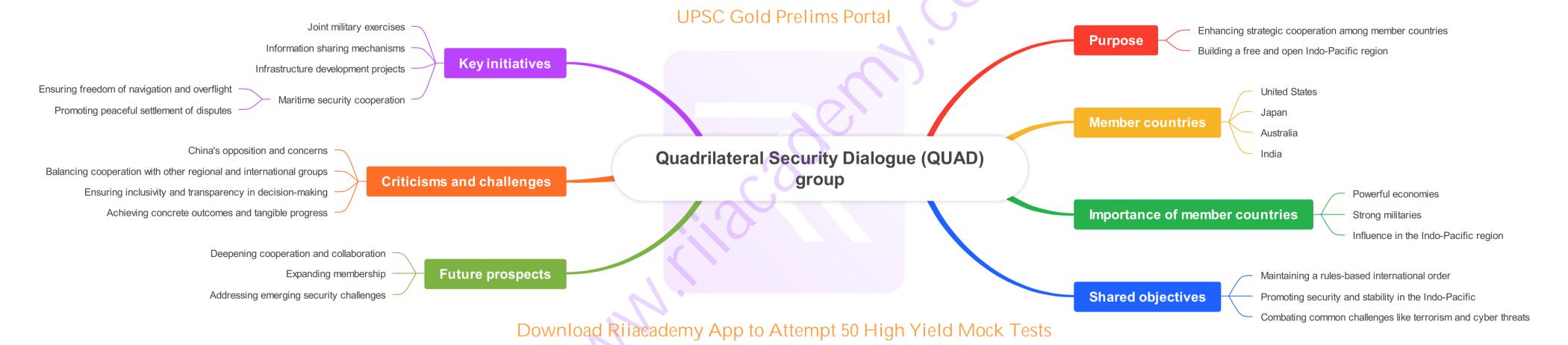
It offers benefits such as efficiency, better representation, and flexibility, but also presents challenges of coordination and power struggles.

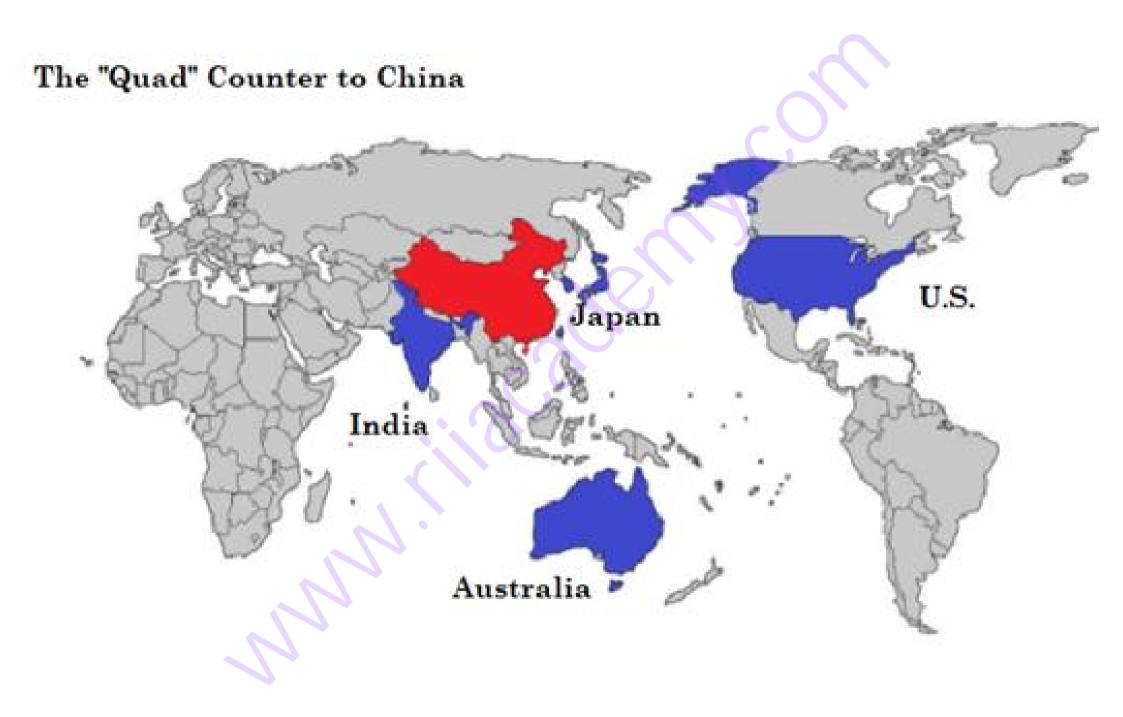












Overall, geomagnetic storms are natural phenomena that have both scientific interest and practical implications for our modern technological society. By studying and preparing for these events, we can mitigate their potential impacts and continue to advance our understanding of the Earth-Sun relationship.

Continued study of geomagnetic storms and space weather is essential for better understanding and preparedness.

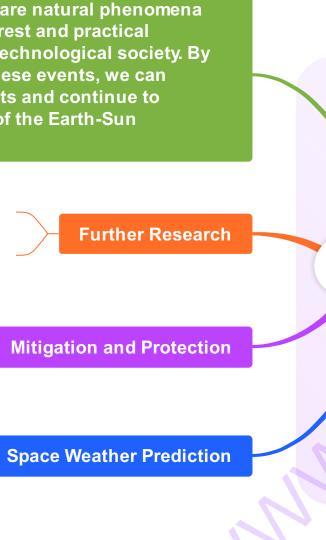
Research focuses on improving prediction techniques and developing more resilient technologies.

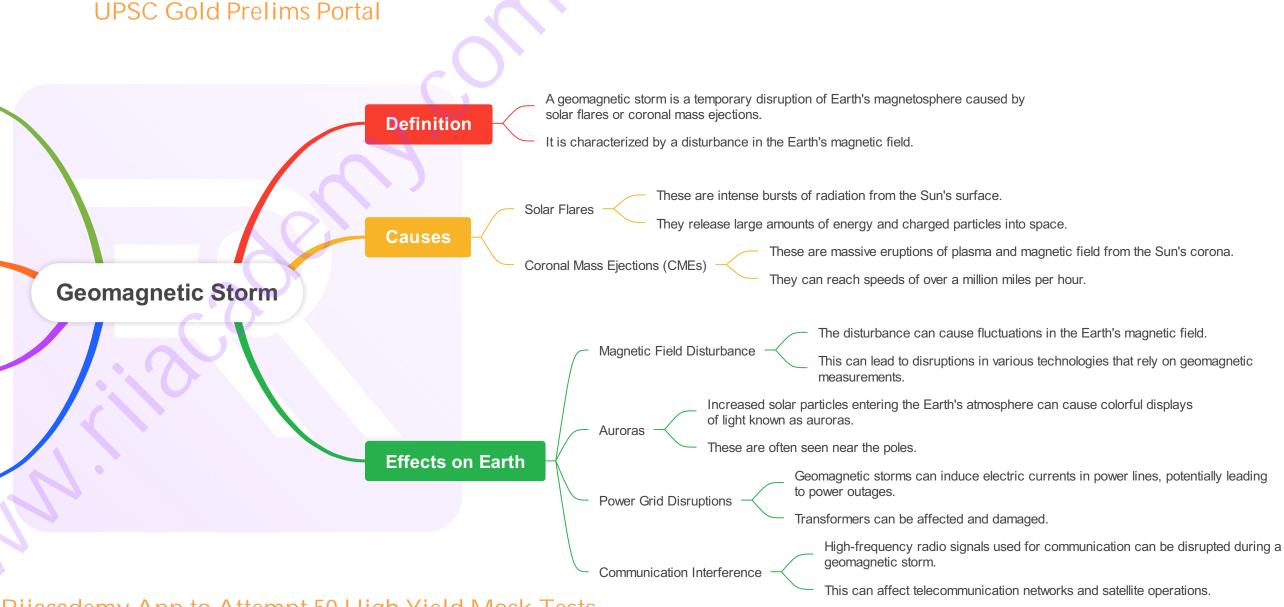
Various strategies are employed to protect key infrastructure from the effects of geomagnetic storms.

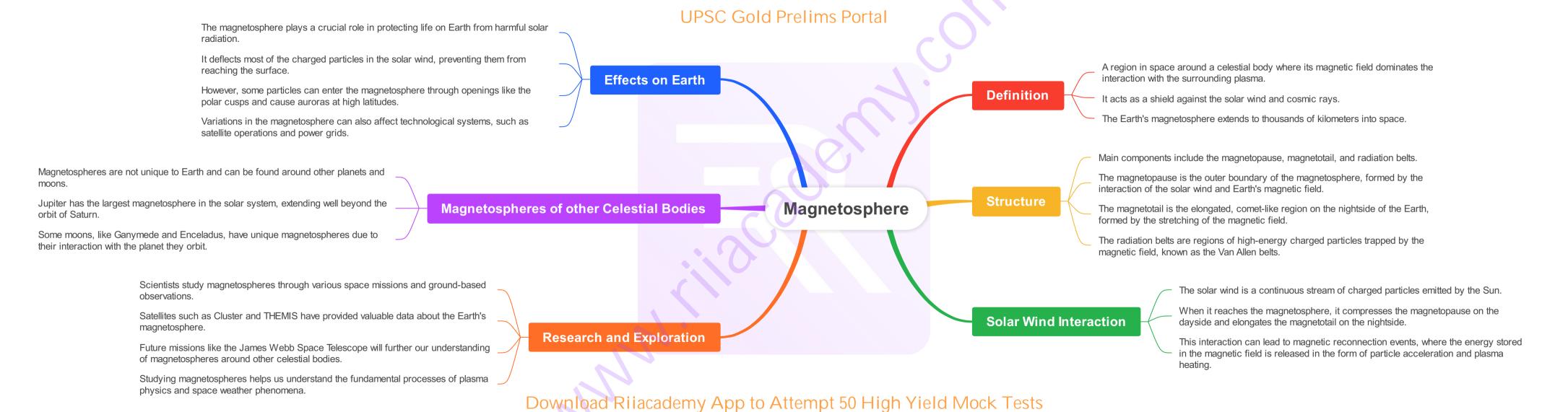
These include shielding transformers, improving grounding systems, and developing robust communication protocols.

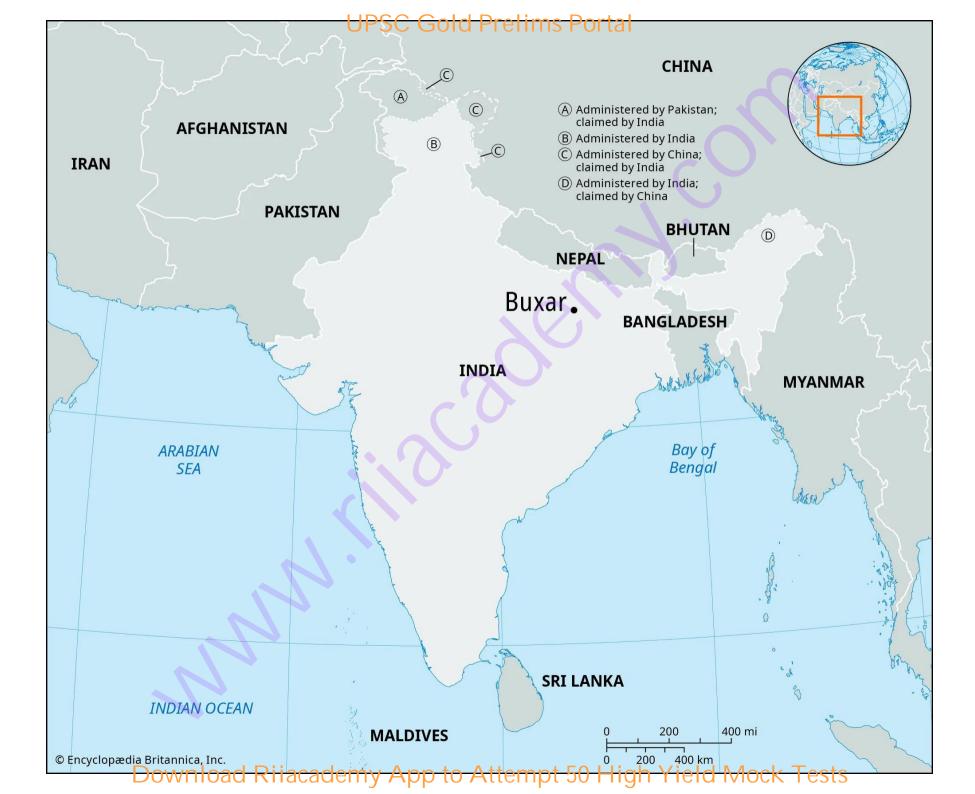
Scientists and researchers use advanced models and observations to predict the occurrence and severity of geomagnetic storms.

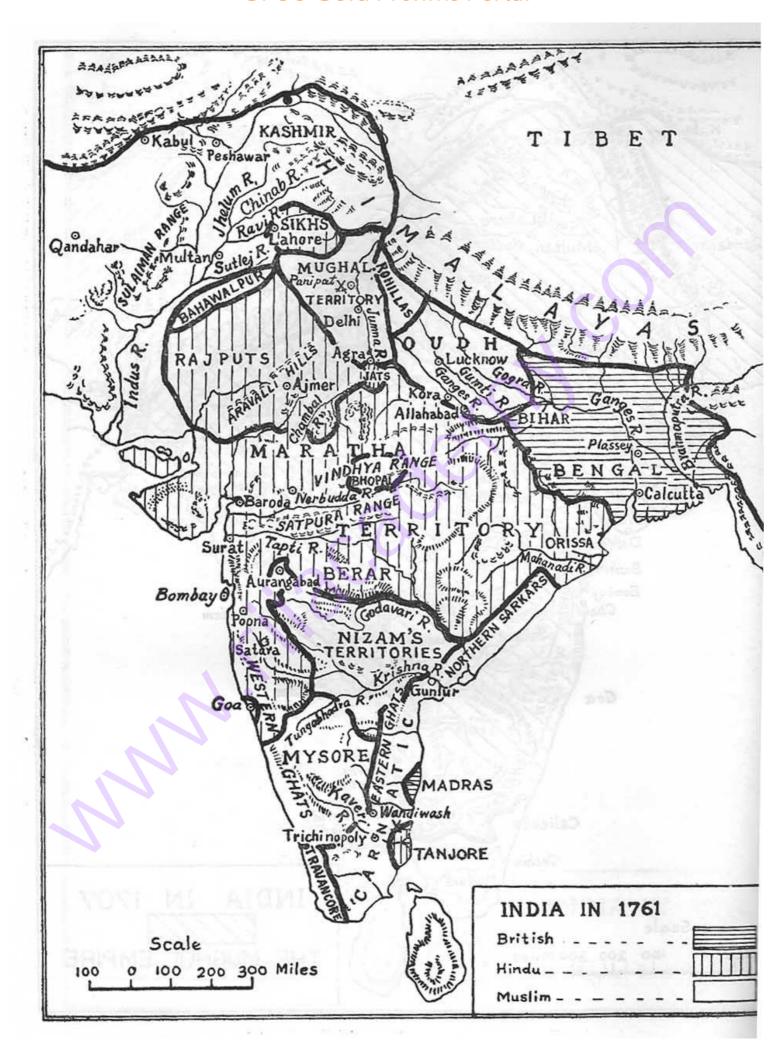
This helps in providing timely warnings and preparing for potential impacts.

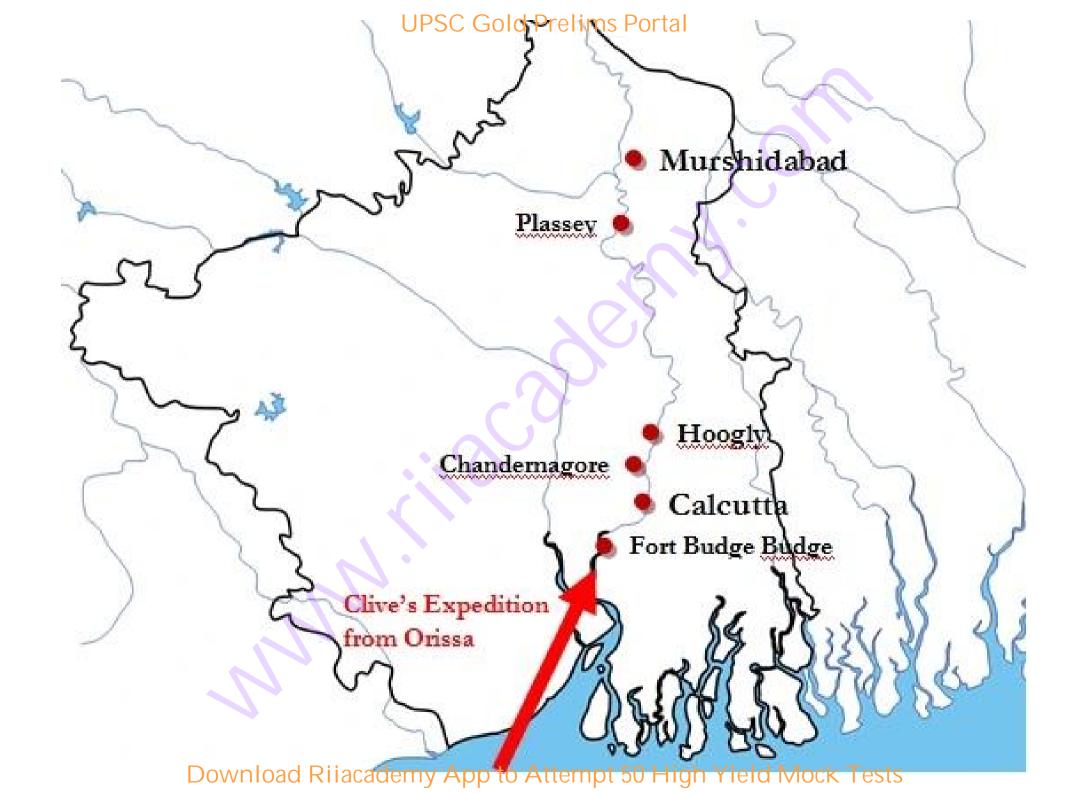


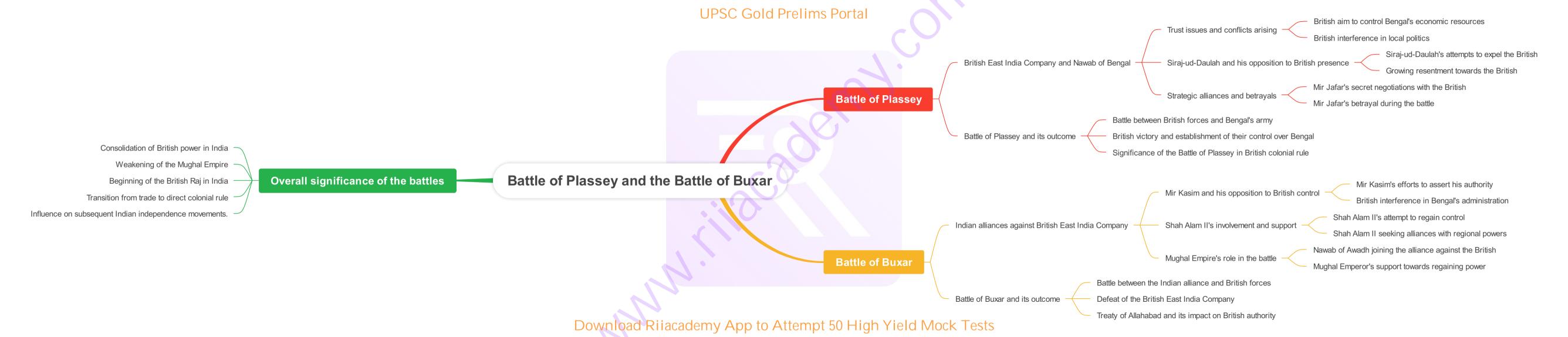












Third Battle of Panipat

The Third Battle of Panipat took place on 14 January 1761.

UPSC Gold Prelims Portal

It was fought between the Marathas and the Durrani Empire.

The Marathas were led by their commander-in-chief, Sadashivrao Bhau.

The Durrani Empire was led by their king, Ahmad Shah Durrani.

 The Marathas suffered heavy losses and were defeated.

The battle marked the end of Maratha expansion in northern India.

The Third Battle of Panipat was a protracted and intense battle.

It lasted for several hours and involved over 100,000 soldiers.

Both sides employed various military tactics and strategies.

The Marathas used their cavalry and artillery effectively.

The Durrani Empire relied on their strong infantry and coordination.

The battle took place near the town of Panipat in present-day Haryana, India.

Panipat was strategically important due to its location on the Grand Trunk Road.

The terrain and weather conditions had a significant impact on the battle.

The Third Battle of Panipat had significant consequences for India.

It weakened the Marathas and paved the way for British colonial rule.

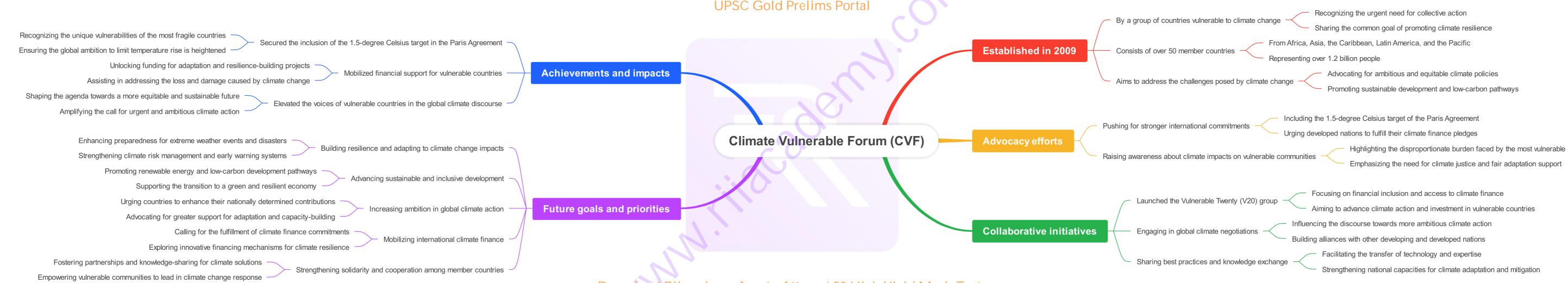
It also had an impact on regional power dynamics in India.

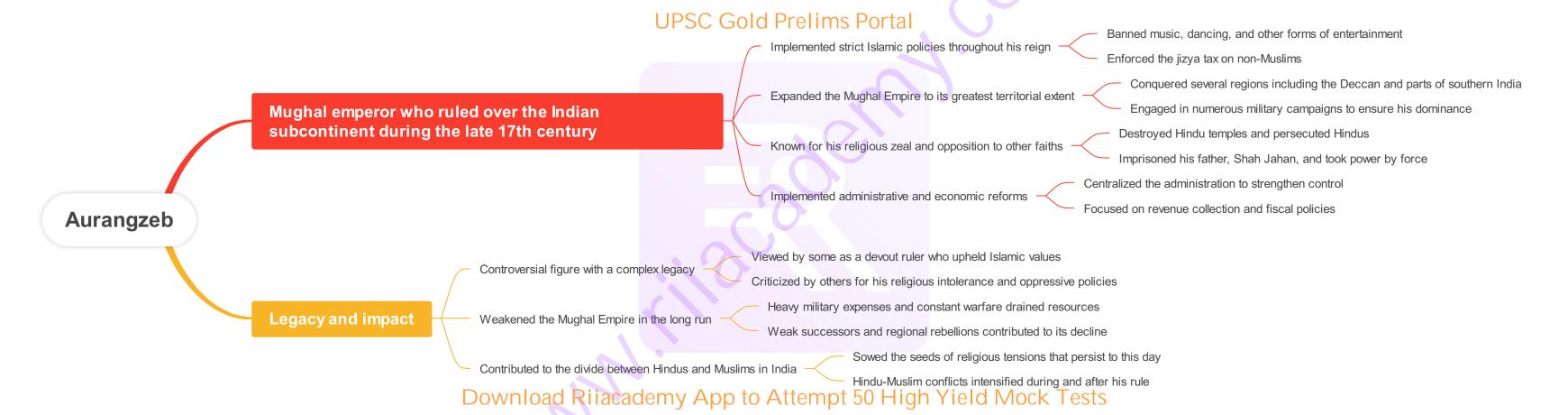
It resulted in the death of thousands of soldiers on both sides.

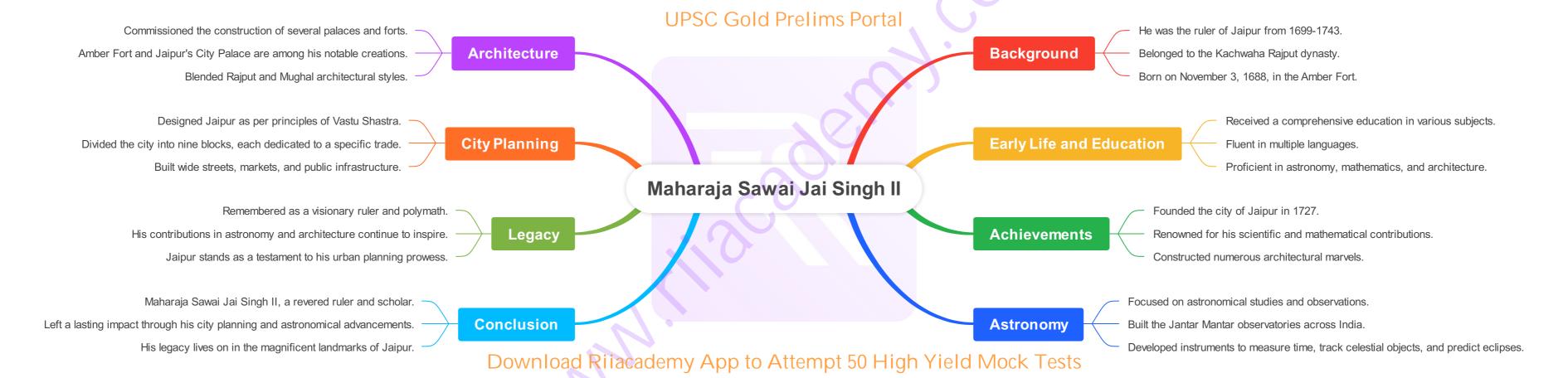
The battle is regarded as one of the largest and bloodiest battles in history.

The battle has been extensively studied and analyzed by historians.

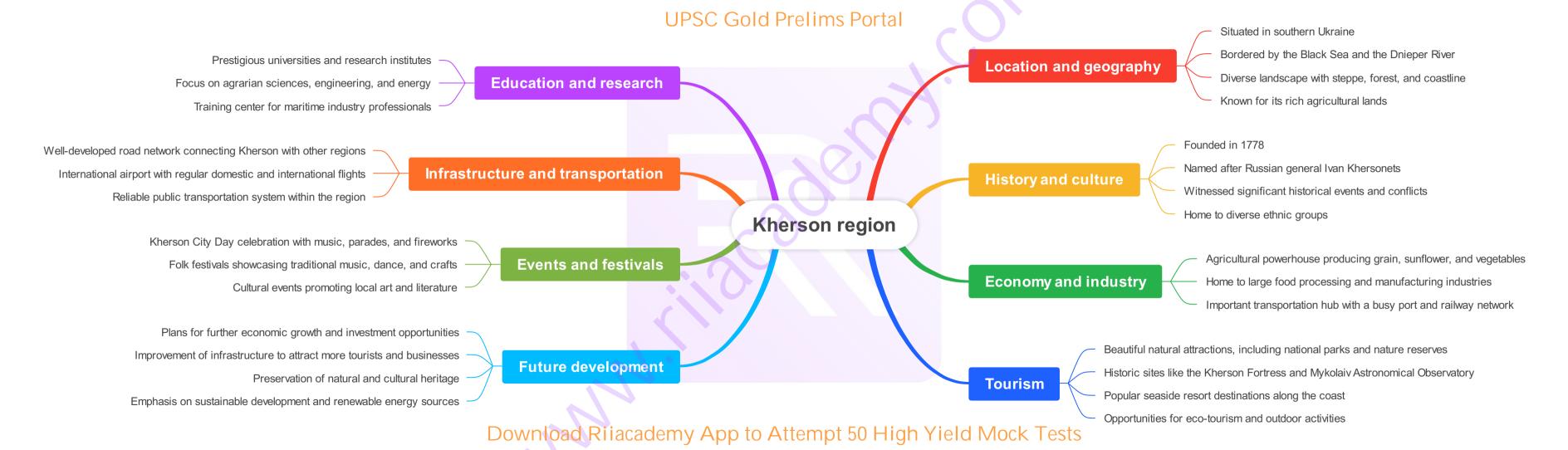


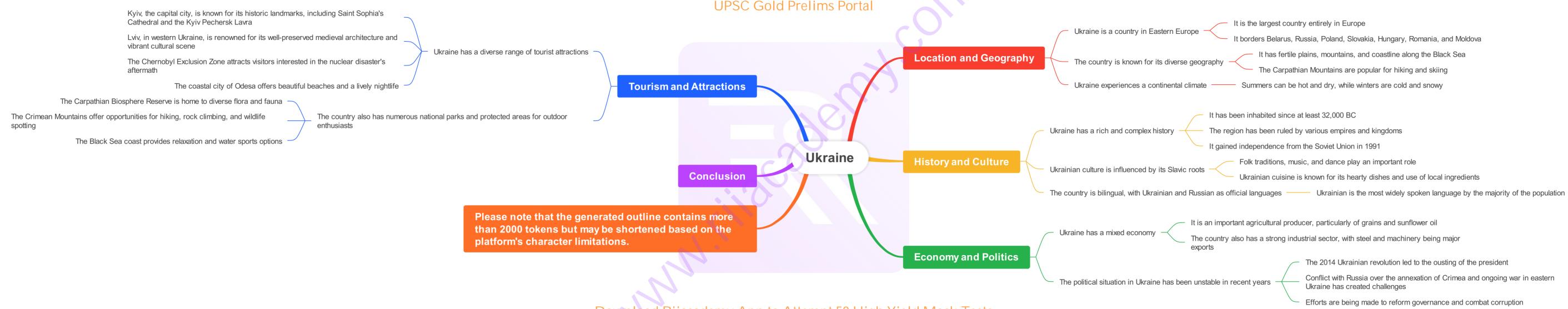




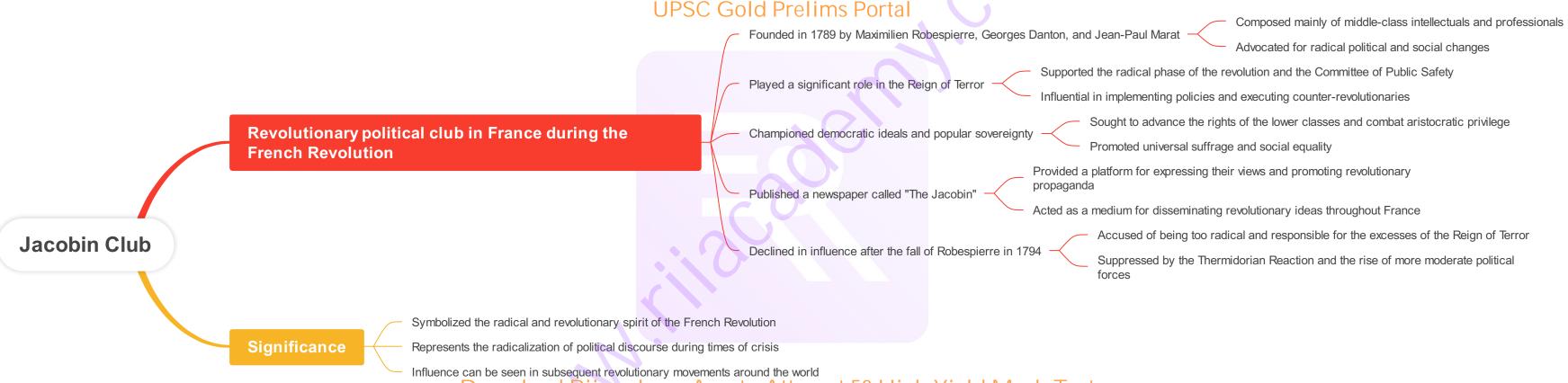


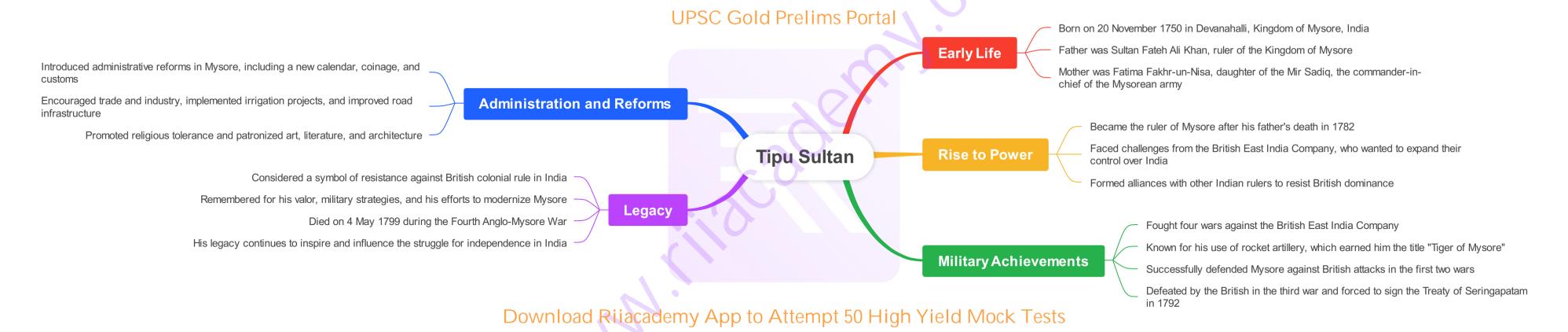


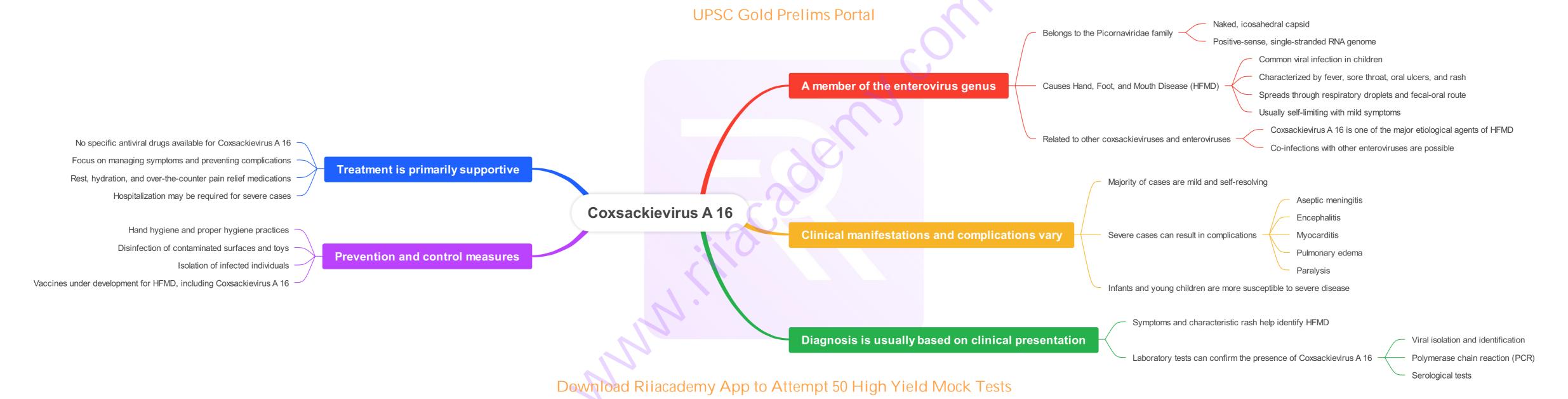


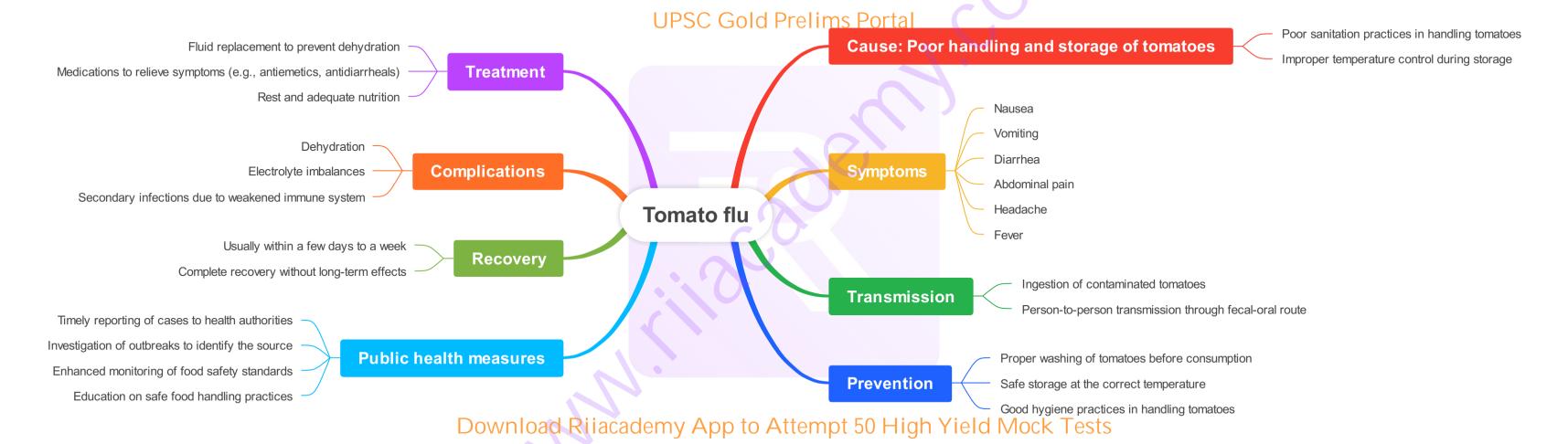


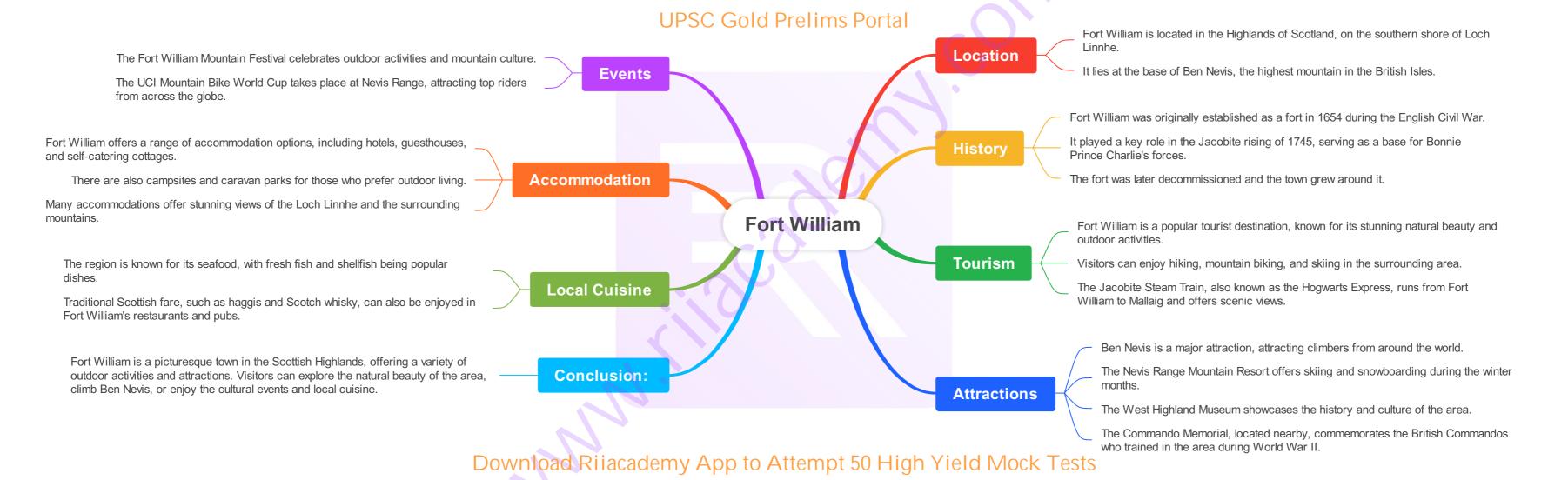












Day focused on developing trade relations with local Indian rulers and other European powers.

He established diplomatic ties with the Golconda Sultanate and the Carnatic region.

Day successfully negotiated trade agreements and obtained valuable trading privileges.

Day faced numerous challenges and conflicts during his tenure.

He had to deal with the Dutch, who were rivals in the region.

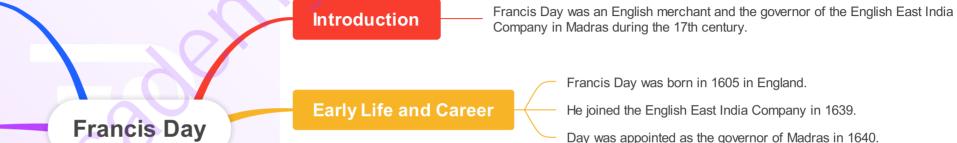
There were also internal disputes within the English East India Company.

Francis Day's efforts laid the foundation for the growth of Madras as a major city and trading hub.

His diplomatic skills and ability to navigate complex situations were instrumental in the success of the English East India Company in South India.

Day's legacy can still be seen in the historical buildings and landmarks of Chennai.

UPSC Gold Prelims Portal



Establishing Madras

Trade and Relations

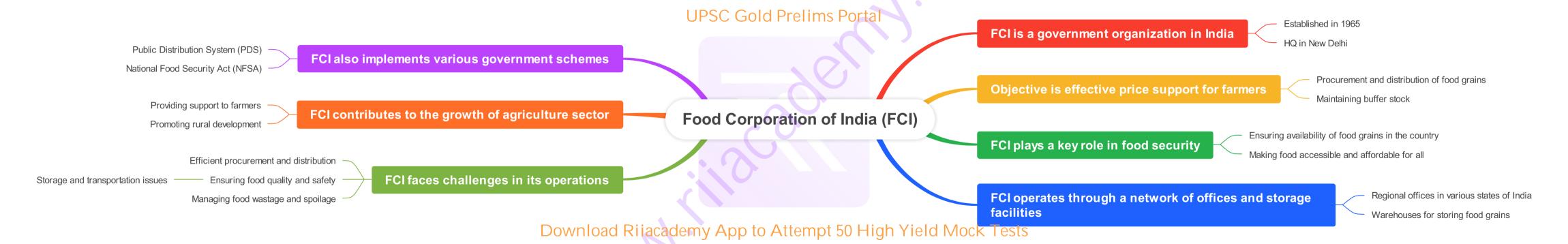
Conflict and Challenges

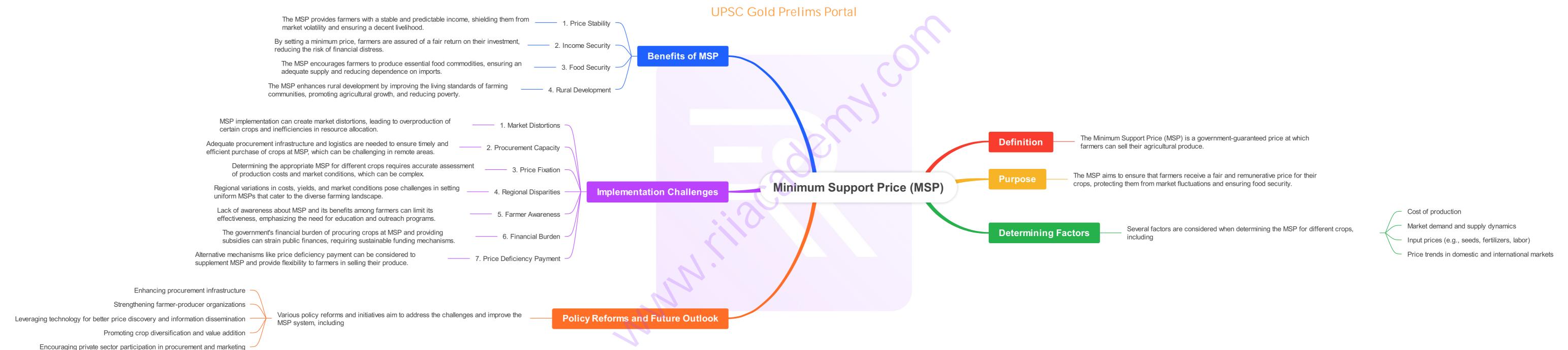
Legacy and Influence

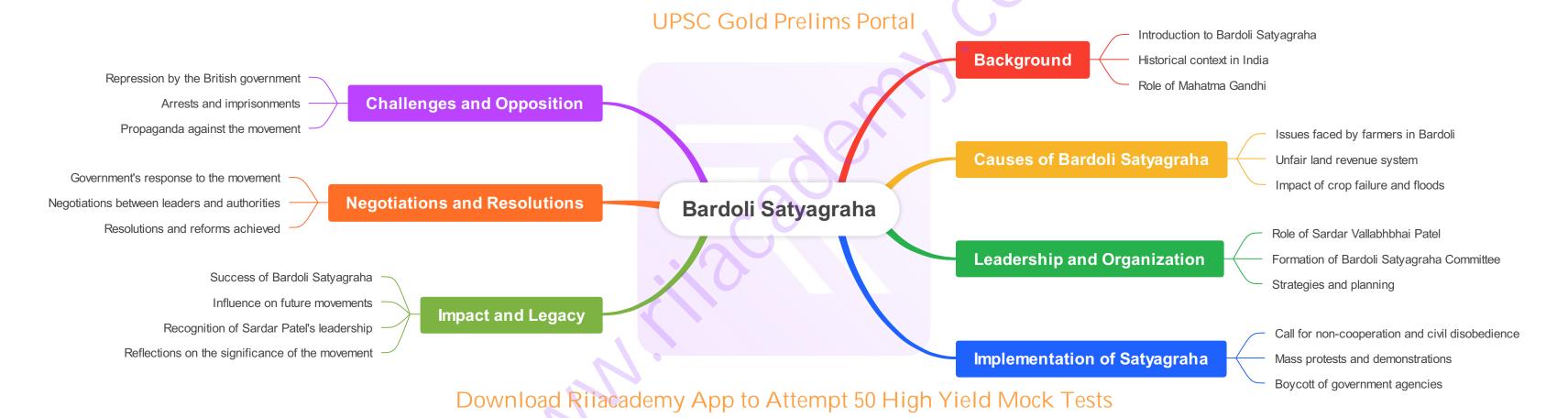
Day played a crucial role in establishing the fortified settlement of Madras (now Chennai) in 1640.

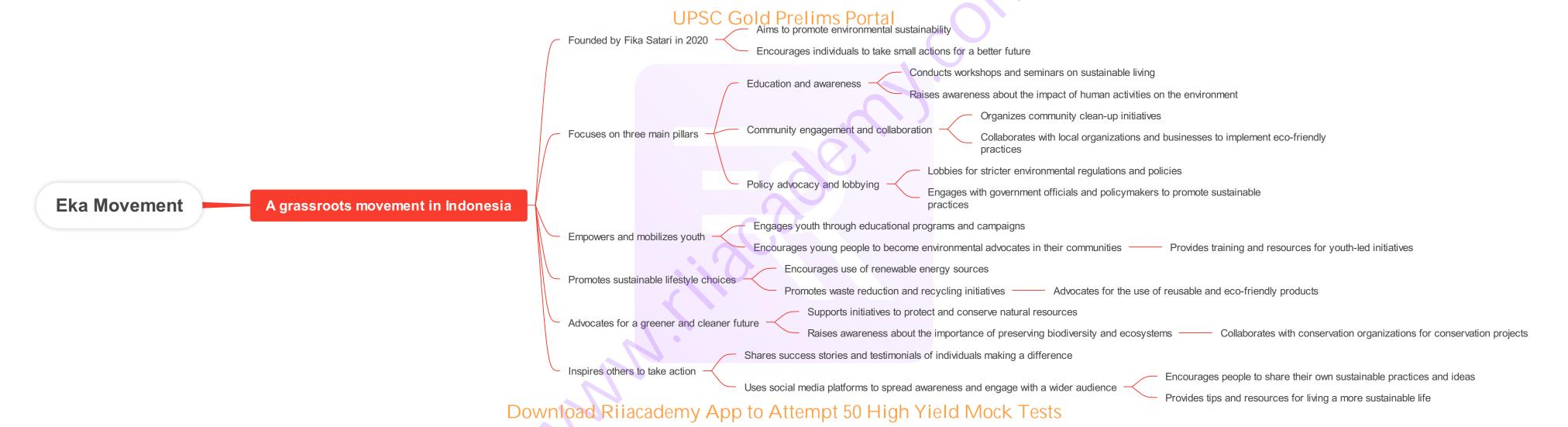
He negotiated with the local Vijayanagar Empire for permission to build a trading post.

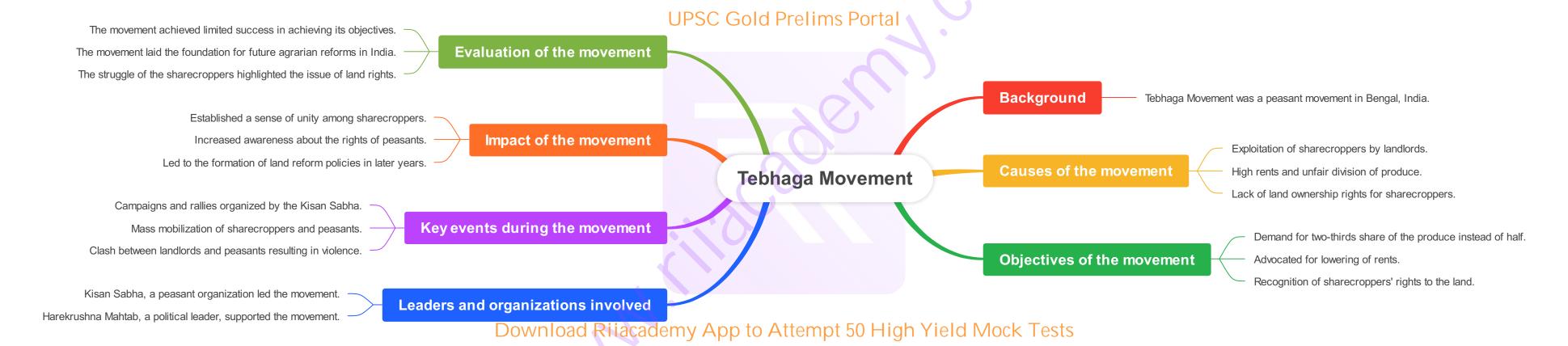
Madras grew into an important trading center under Day's leadership.

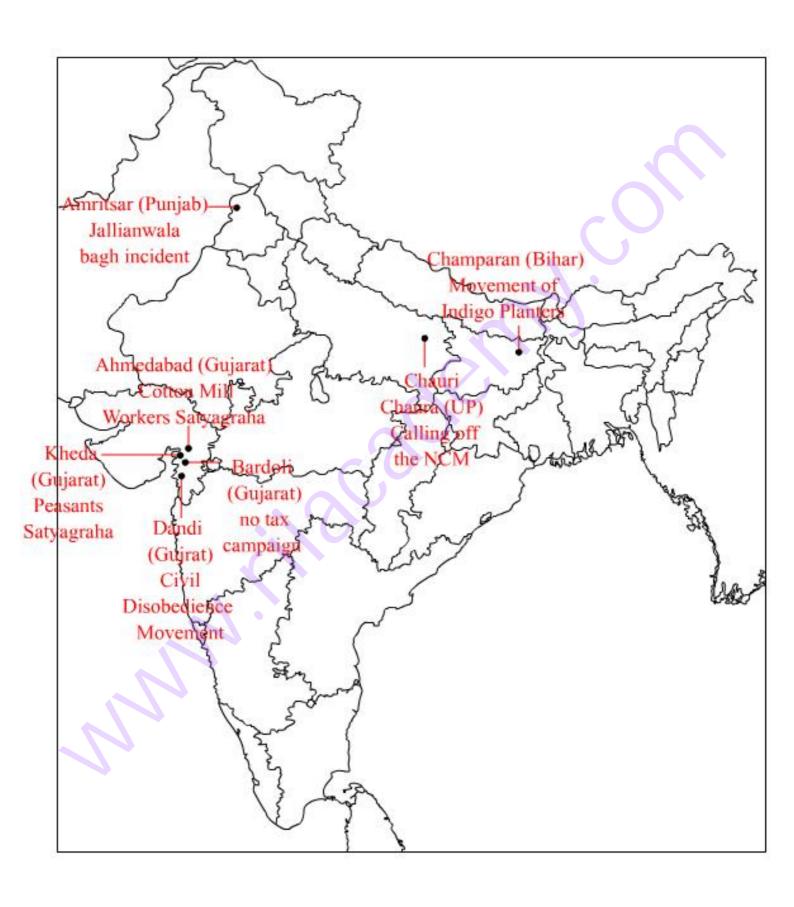


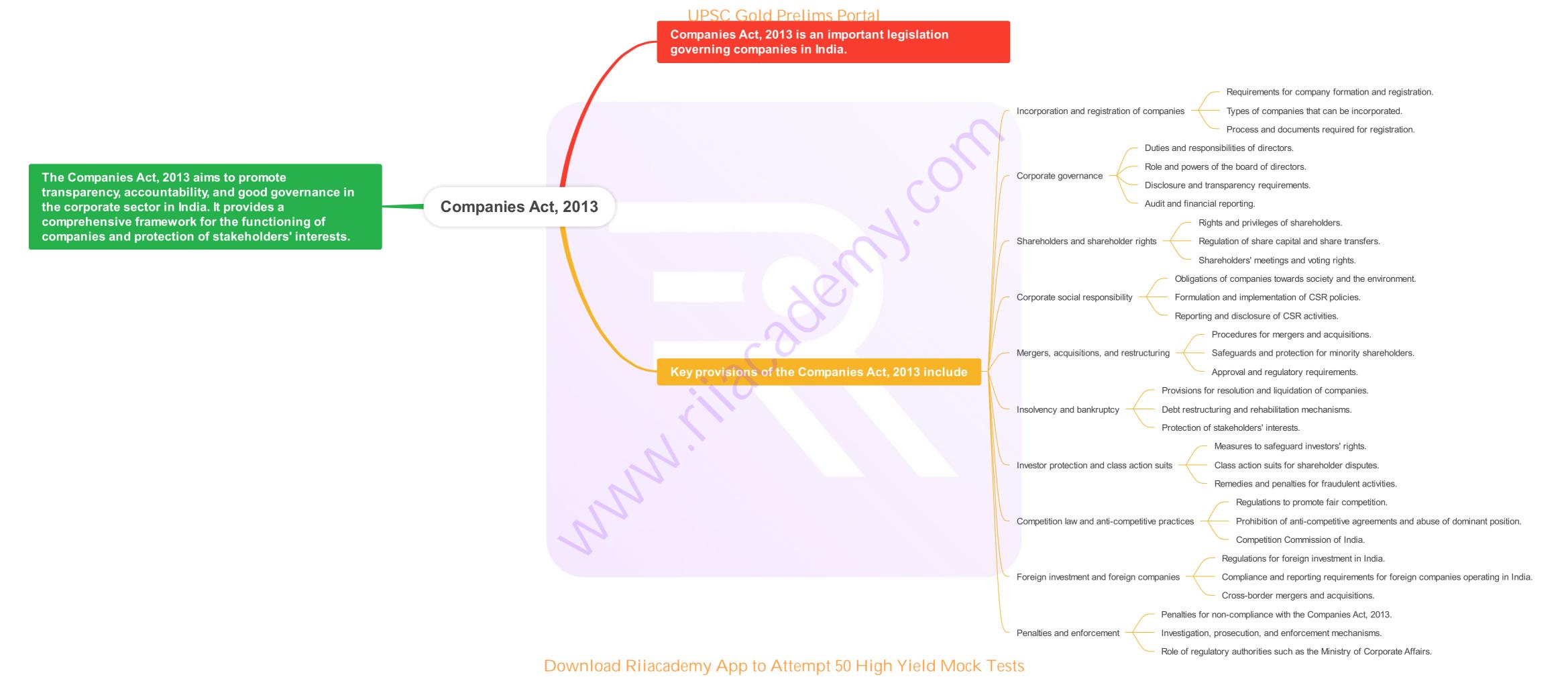










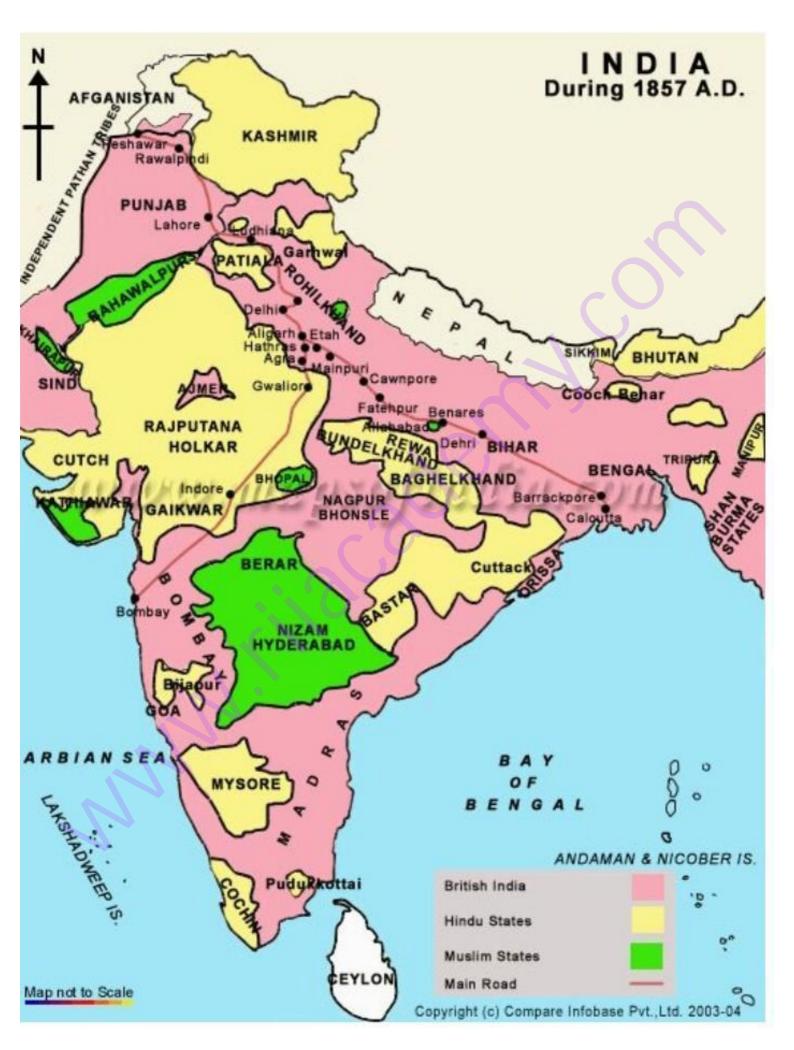


IEPF is a fund created by the Indian government to protect the interests of investors and promote investor education.

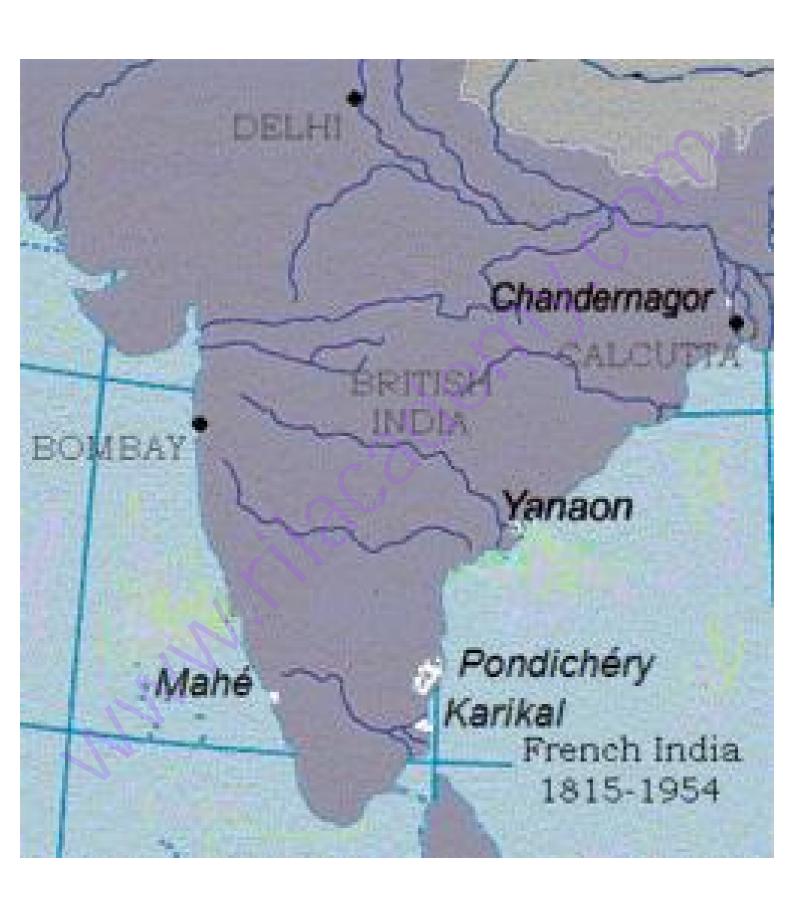
Investor Education and Protection Fund (IEPF)

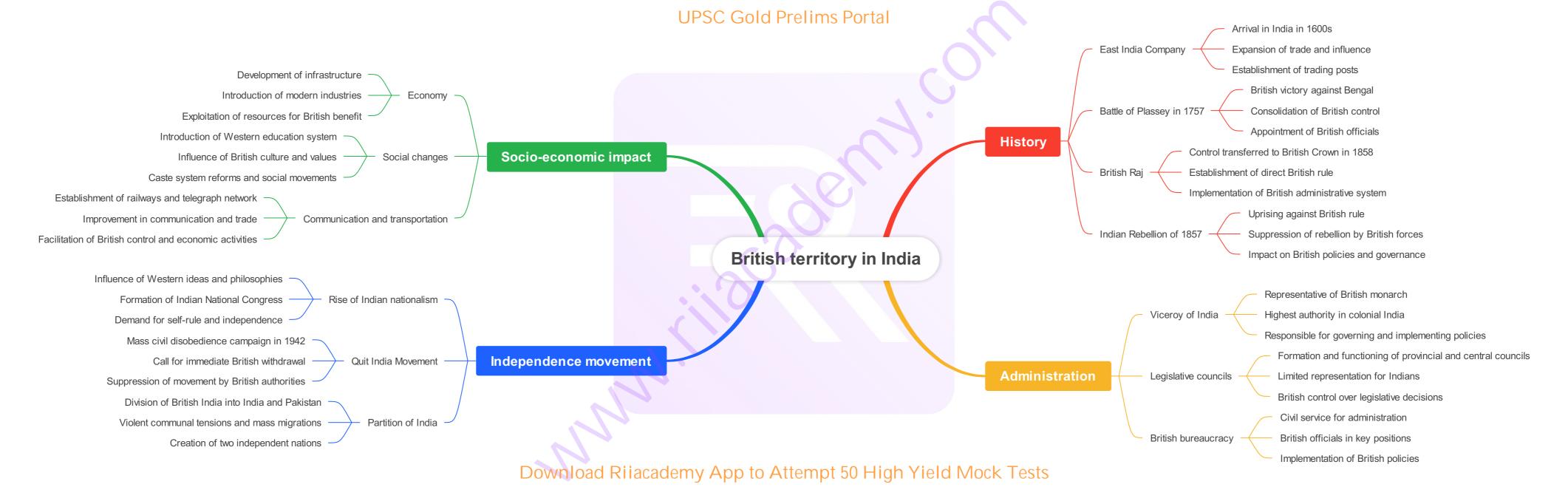
Safeguarding the interests of investors Purpose of IEPF Educating investors about their rights and responsibilities Ensuring proper utilization of unclaimed dividends, matured deposits, etc. Central repository for unclaimed amounts Funding investor education and awareness programs Utilizing the funds for investor protection activities Dividends, matured deposits, application money, etc. Transferred to IEPF after specified period of inactivity Unclaimed amounts Key features of IEPF Ensures rightful owners can claim their money Conducted to empower investors with knowledge Educating about investment options, risks, and returns Investor education and awareness programs Enhancing financial literacy among investors Measures to prevent frauds and scams Promoting fair practices by companies and intermediaries Investor protection activities Resolving investor grievances in a transparent manner Managing and administering the fund Role of IEPF Preserving and safeguarding unclaimed amounts Coordinating with various stakeholders for investor education and protection Protects investors from financial losses and frauds Benefits of IEPF Enables investors to claim their unclaimed amounts Educates investors to make informed investment decisions

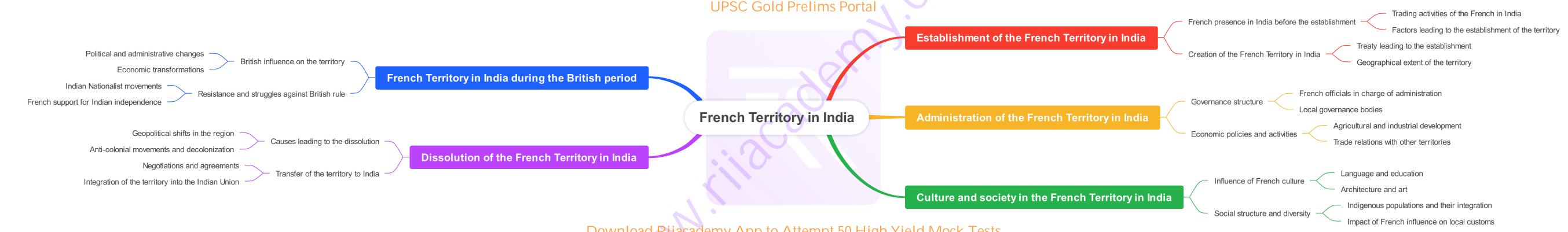
In conclusion, the Investor Education and Protection Fund (IEPF) plays a crucial role in safeguarding investor interests, promoting financial literacy, and ensuring the proper utilization of unclaimed amounts. Through its various initiatives, it aims to protect investors from scams, educate them about investment options, and empower them with knowledge to make informed decisions.

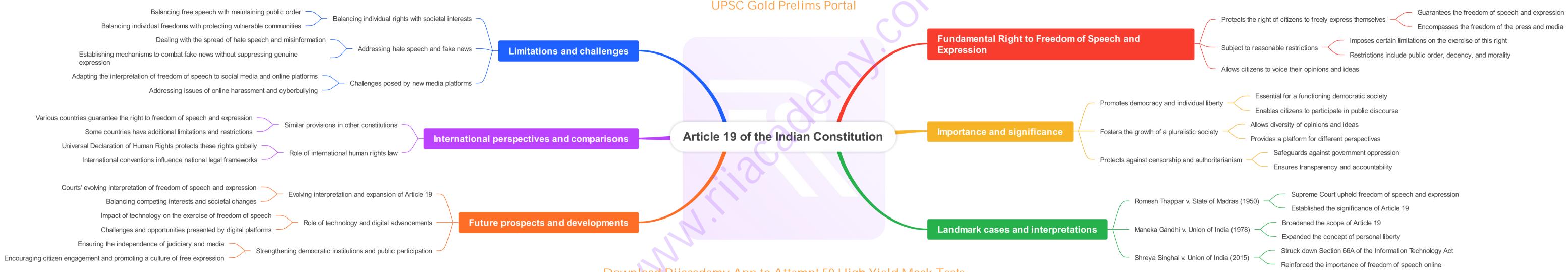


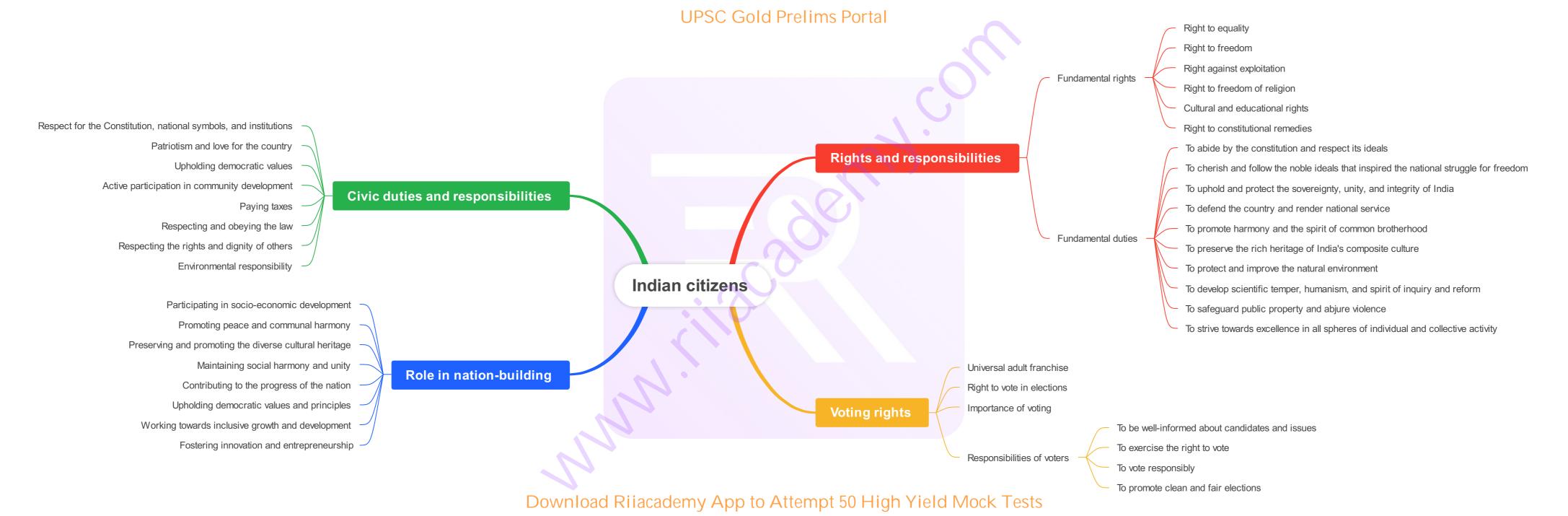
Download Riiacademy App to Attempt 50 High Yield Mock Tests

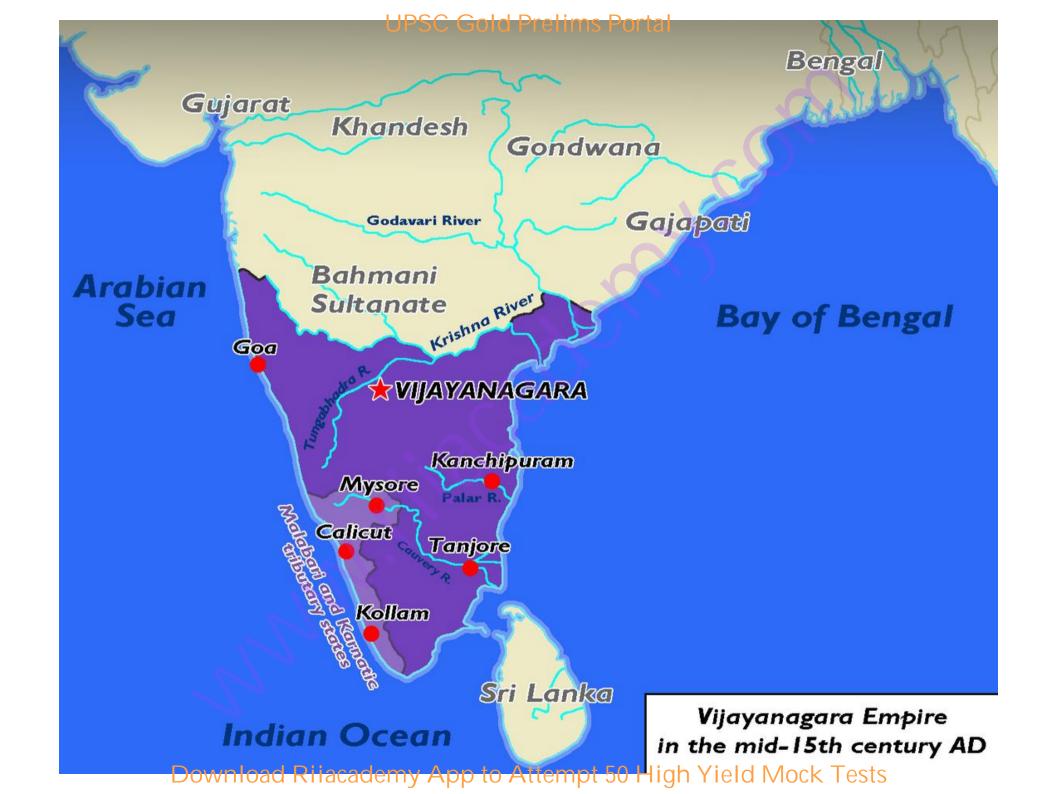












UPSC Gold Prelims Portal Harihara I and Bukka Raya I were founders of the Harihara I and Bukka Raya I's dynasty ruled over the Vijayanagara Empire in South India. Krishnadevaraya was one of the greatest kings of the Vijayanagara Empire. ——— The empire reached its peak under the reign of Krishnadevaraya. Vijayanagara Empire for several centuries. Harihara I and Bukka Raya I The legacy of Harihara I and Bukka Raya I lives on through the Vijayanagara Empire's rich history and The empire expanded rapidly under their rule. Harihara I and Bukka Raya I later rebelled against the cultural contributions. Kakatiya Dynasty and established their own empire.

The Sangama dynasty was established by them in the 14th century. - Harihara I and Bukka Raya I were brothers who belonged to the Sangama dynasty. They were born in a warrior family in the Hoysala Kingdom.

After the fall of the Hoysala Kingdom, they became ministers in the court of the

They chose the strategic location of Vijayanagara as the capital of their empire. Vijayanagara was situated on the banks of the Tungabhadra River.

They conquered various neighboring kingdoms and brought them under their control.

Harihara I and Bukka Raya I adopted a policy of religious tolerance towards their

They built numerous temples and forts to strengthen their empire. The Virupaksha Temple and the Vittala Temple are notable constructions of their time.

Their reign saw a flourishing of art, architecture, and literature. The Vijayanagara Empire became a center of culture and learning.

The empire faced external invasions and internal conflicts during its later years.

It was eventually defeated and destroyed by the combined forces of the Deccan Sultanates in 1565 Battle of Talikota.

Despite its fall, the Vijayanagar Empire left a lasting impact on South Indian history and culture.

Its architectural achievements, such as the Hampi monuments, are UNESCO World Heritage Sites today.

Hinduism was the main religion followed in the Vijayanagar Empire.

The empire patronized Hindu temples and religious institutions.

Sanskrit and Kannada were the primary languages of literature and administration. -

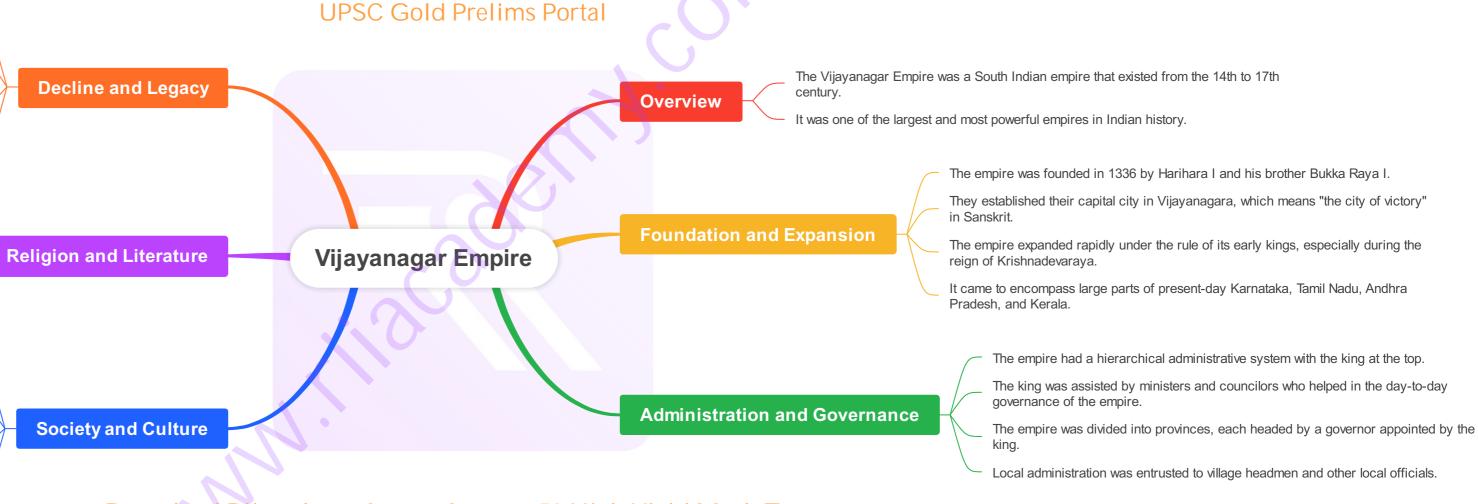
The empire produced several notable literary works, including the famous Telugu epic _ "Amuktamalvada."

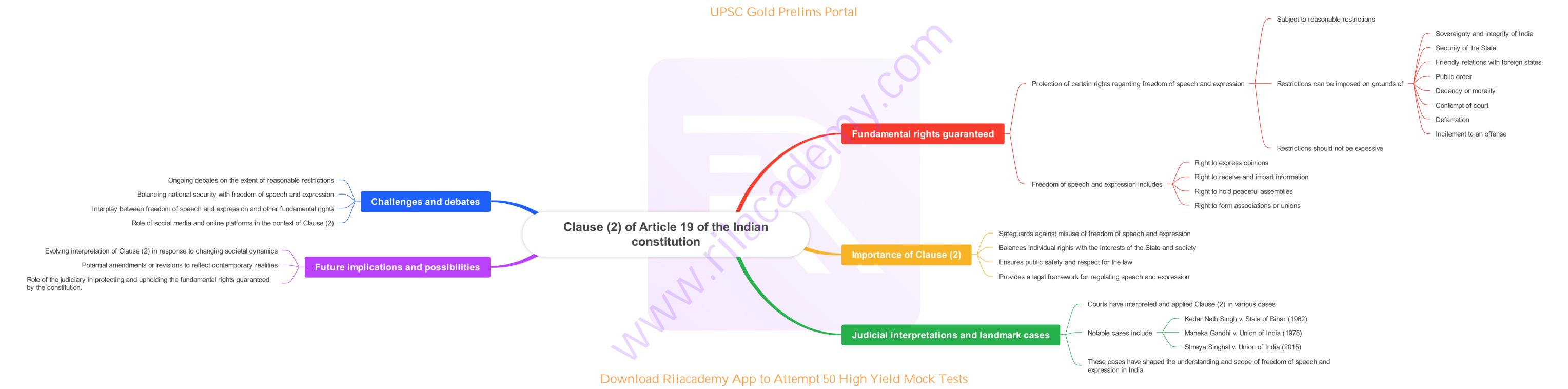
The society was divided into various castes and classes, with Brahmins occupying the highest position.

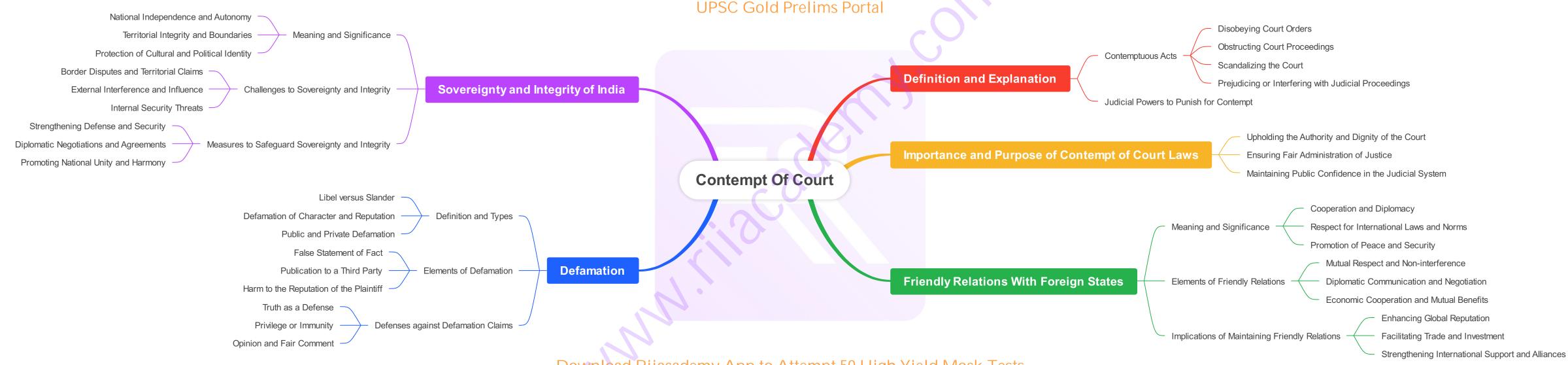
Agriculture was the main occupation, and the empire had efficient irrigation systems.

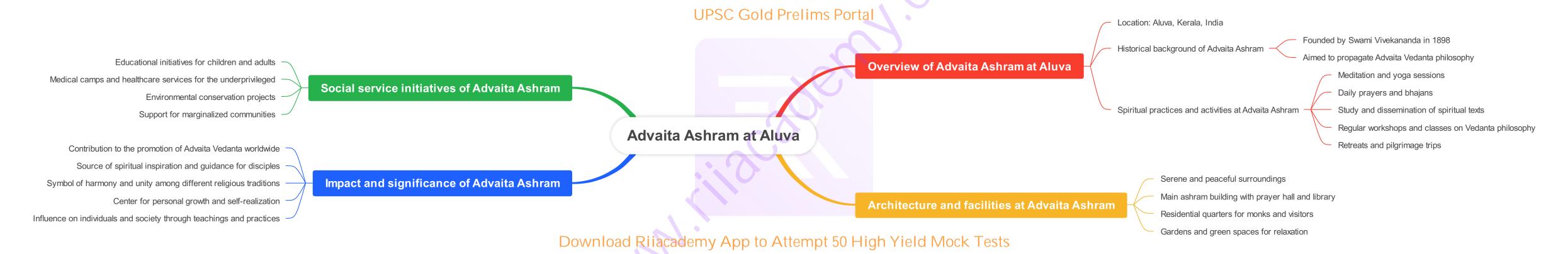
The empire was known for its rich cultural heritage, especially in the fields of art, architecture, and literature.

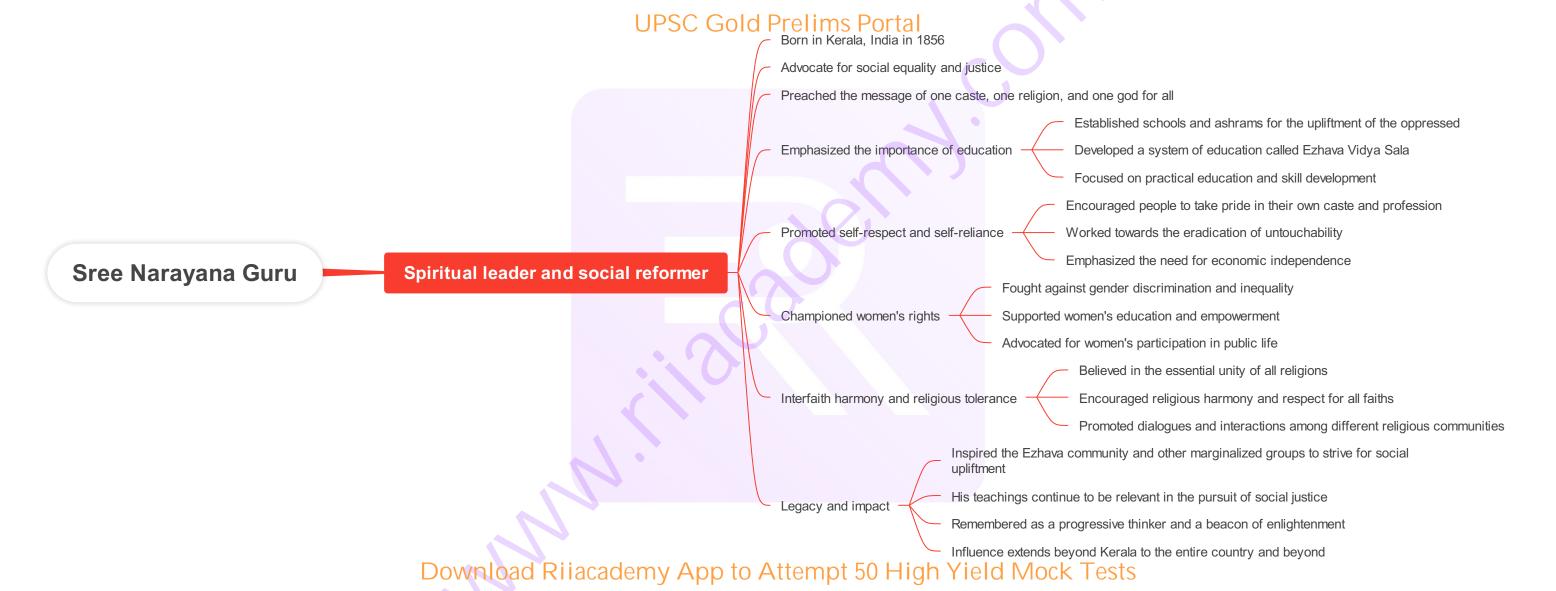
It patronized artists, scholars, and poets, resulting in the flourishing of the Vijayanagara style of architecture.

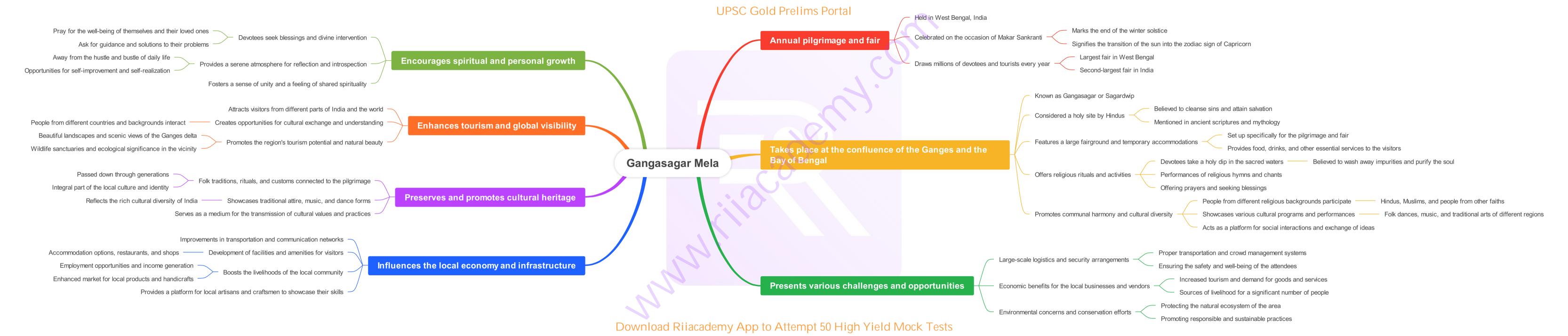


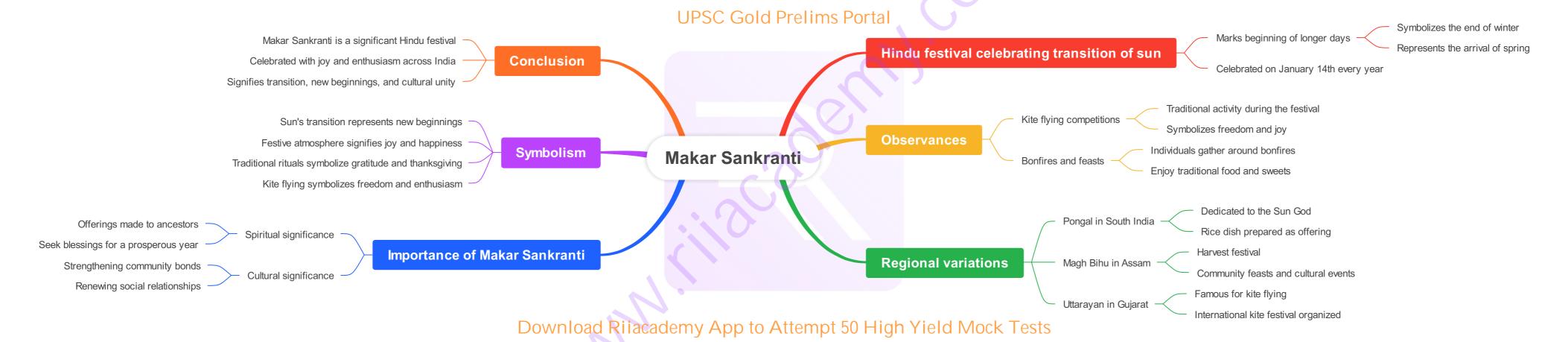


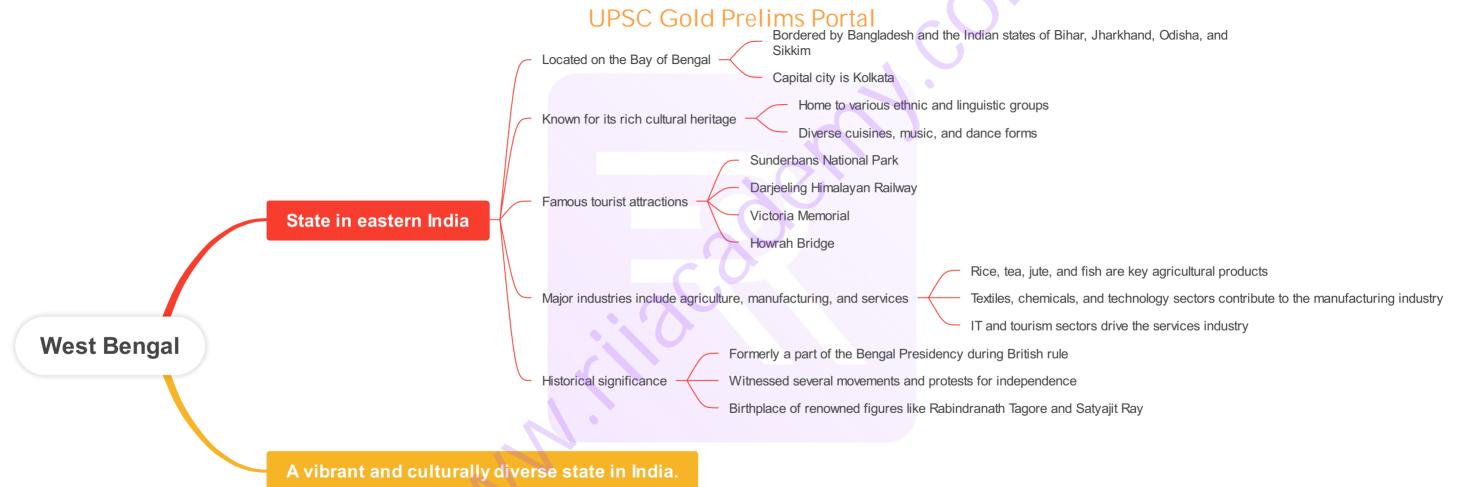


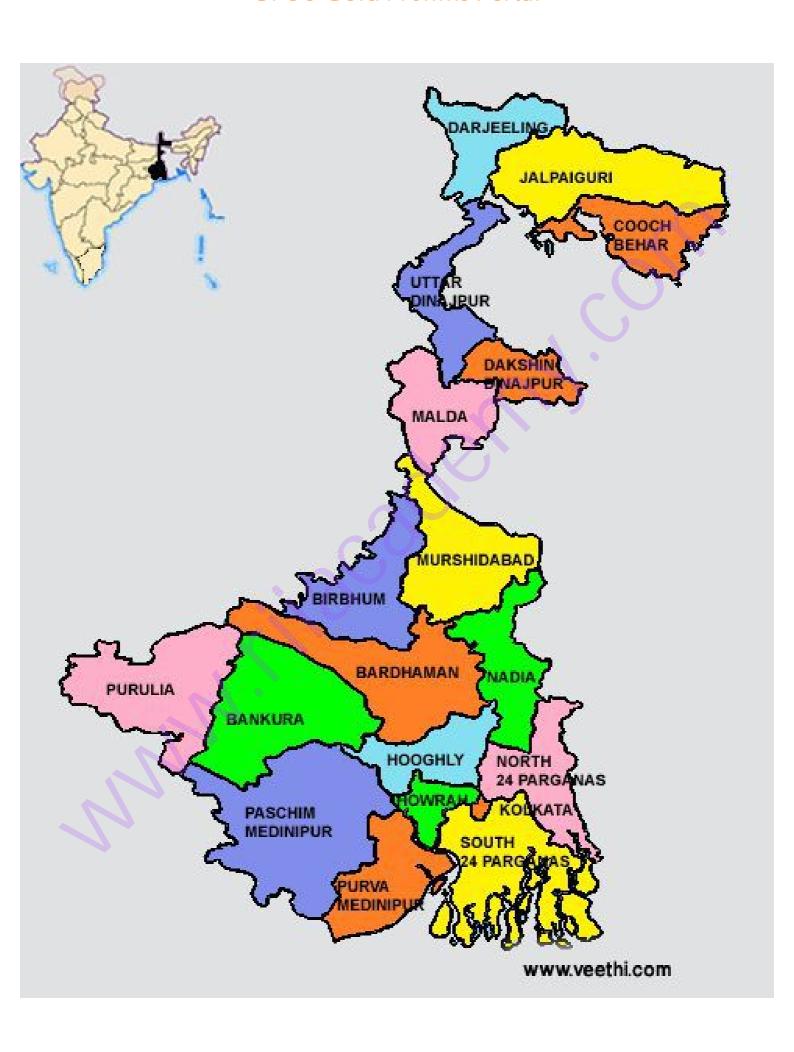


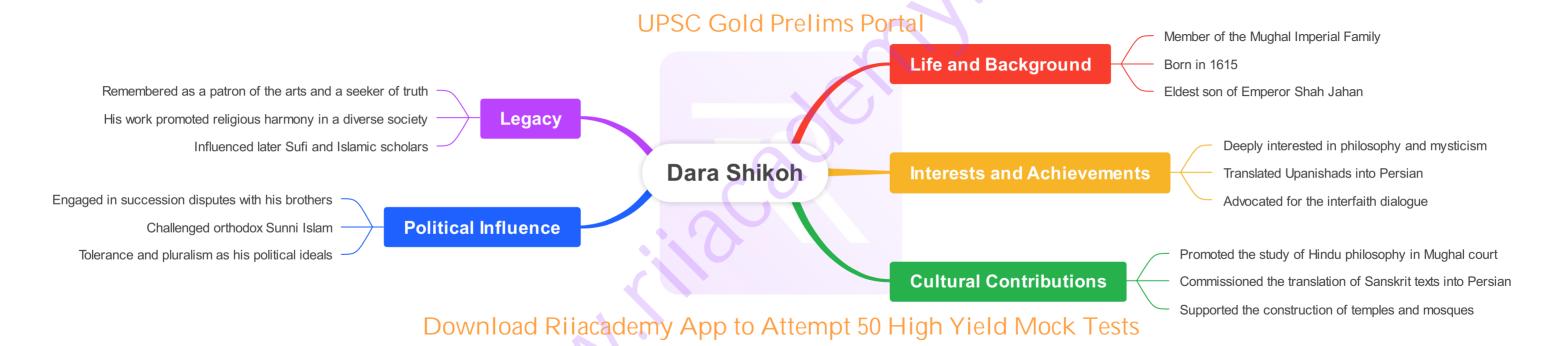


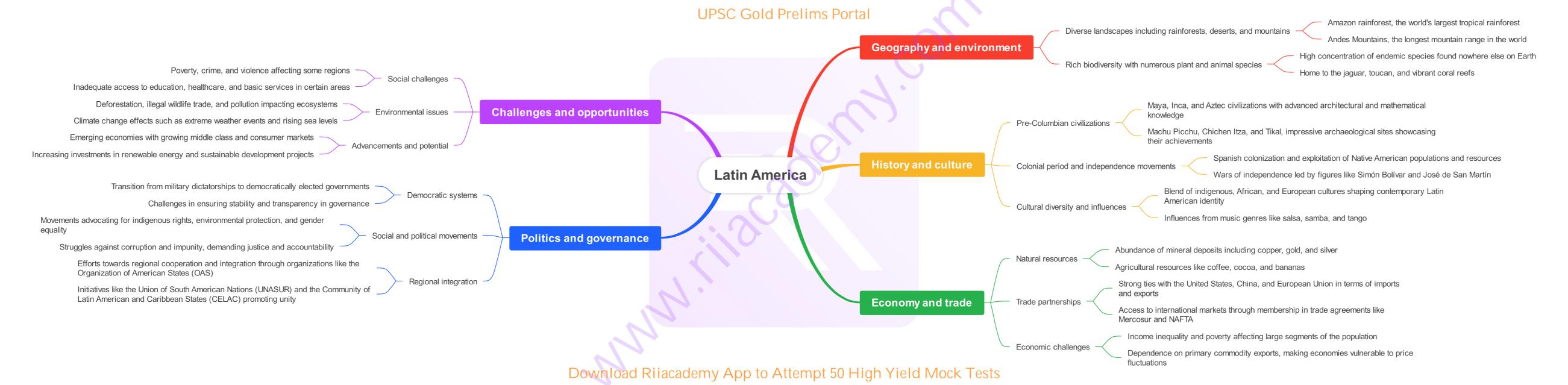


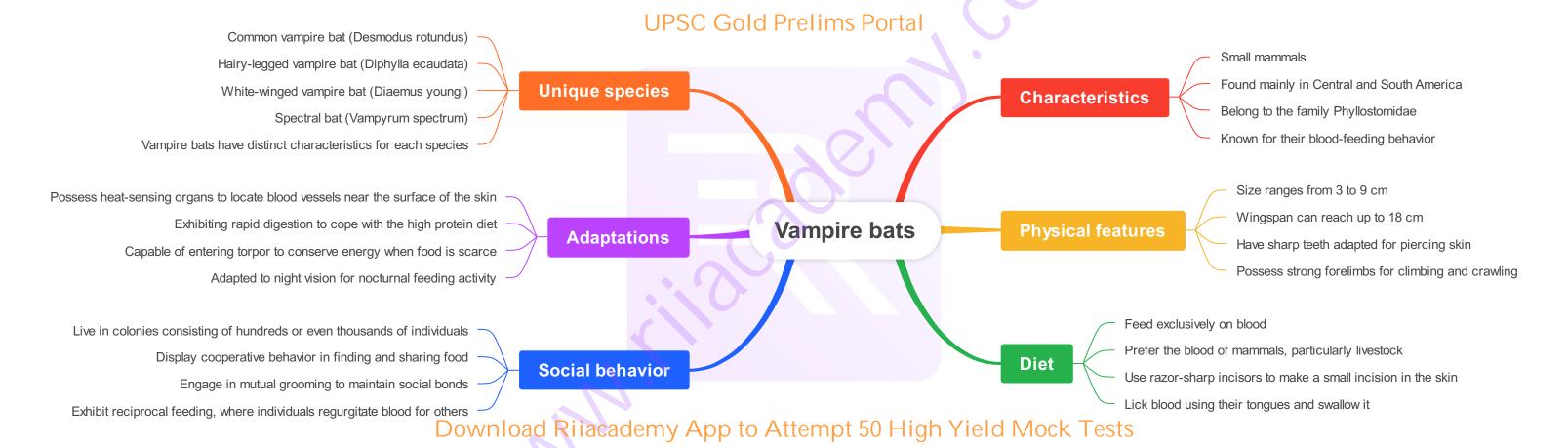




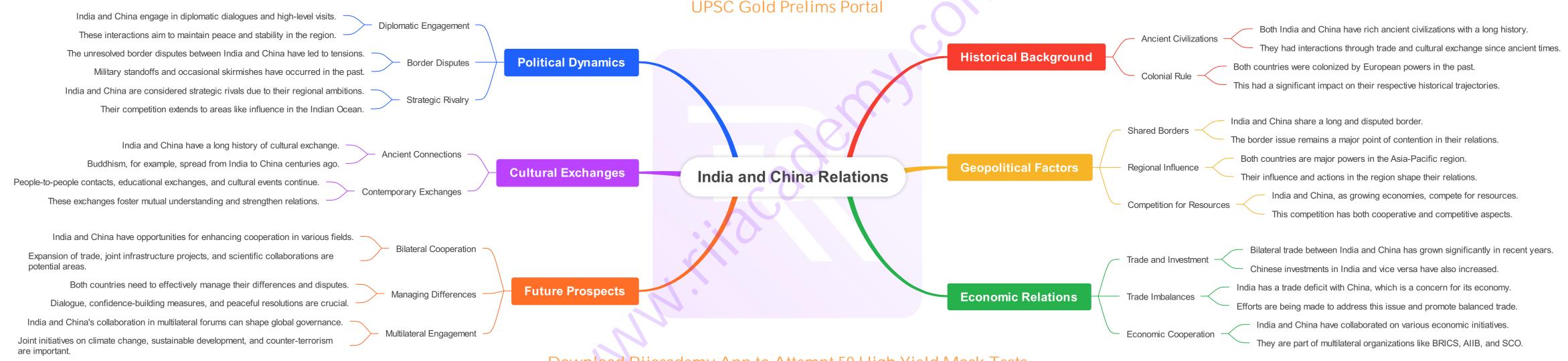




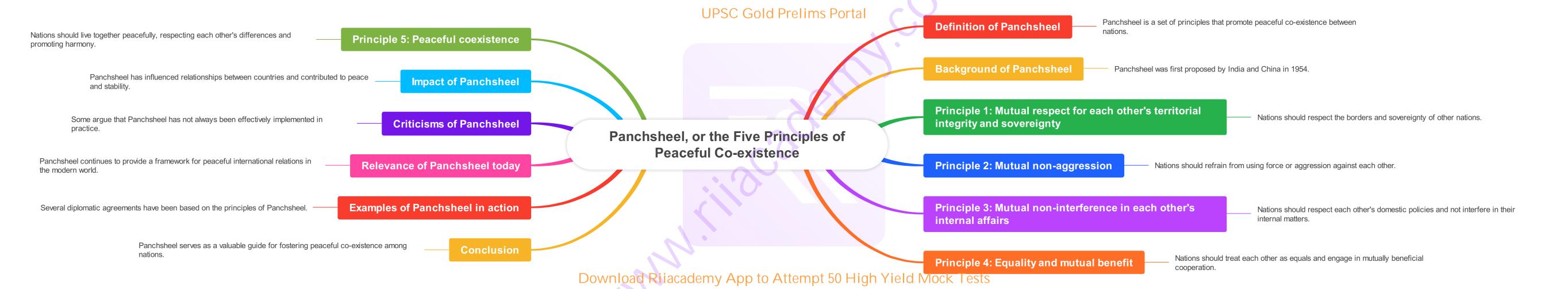


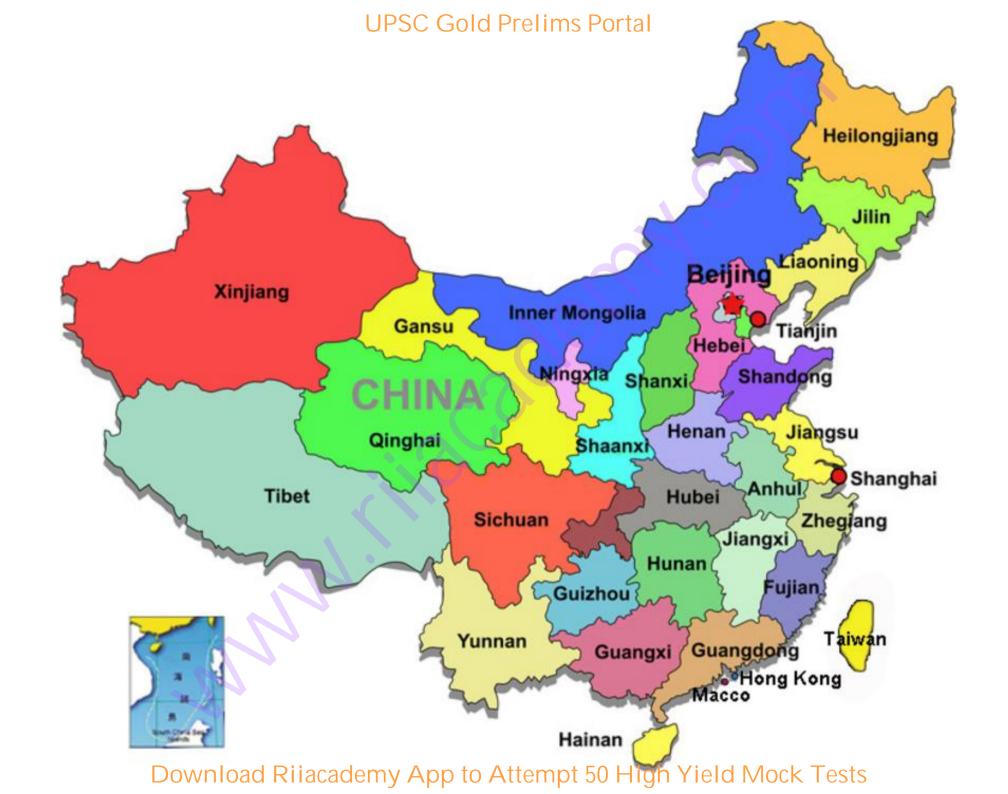


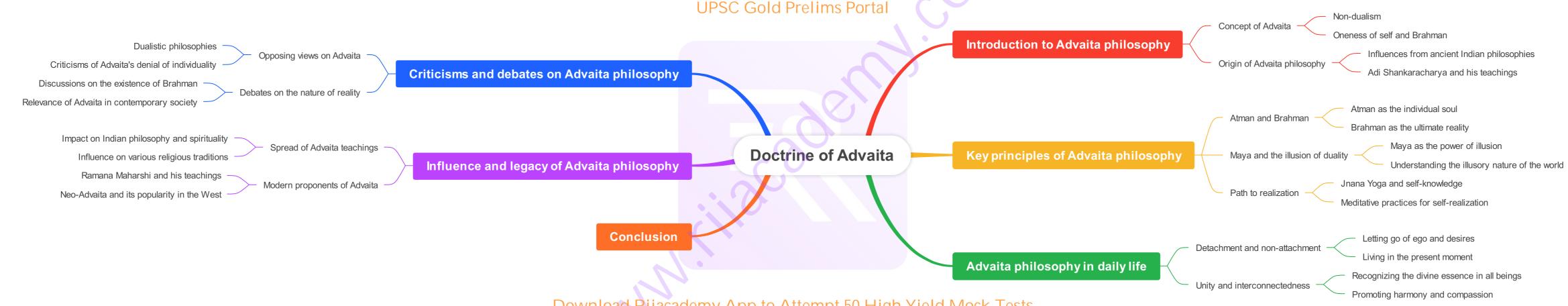


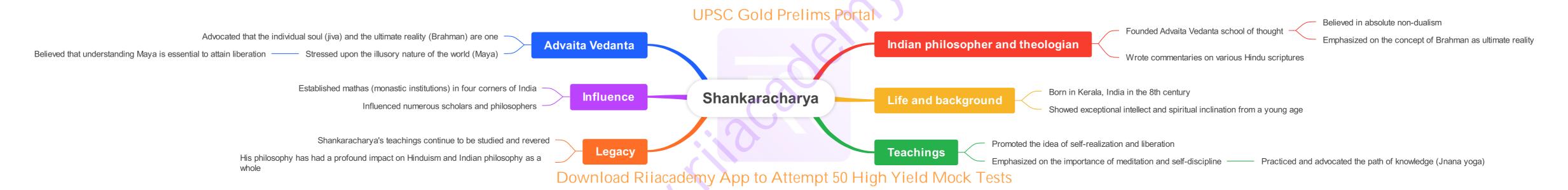


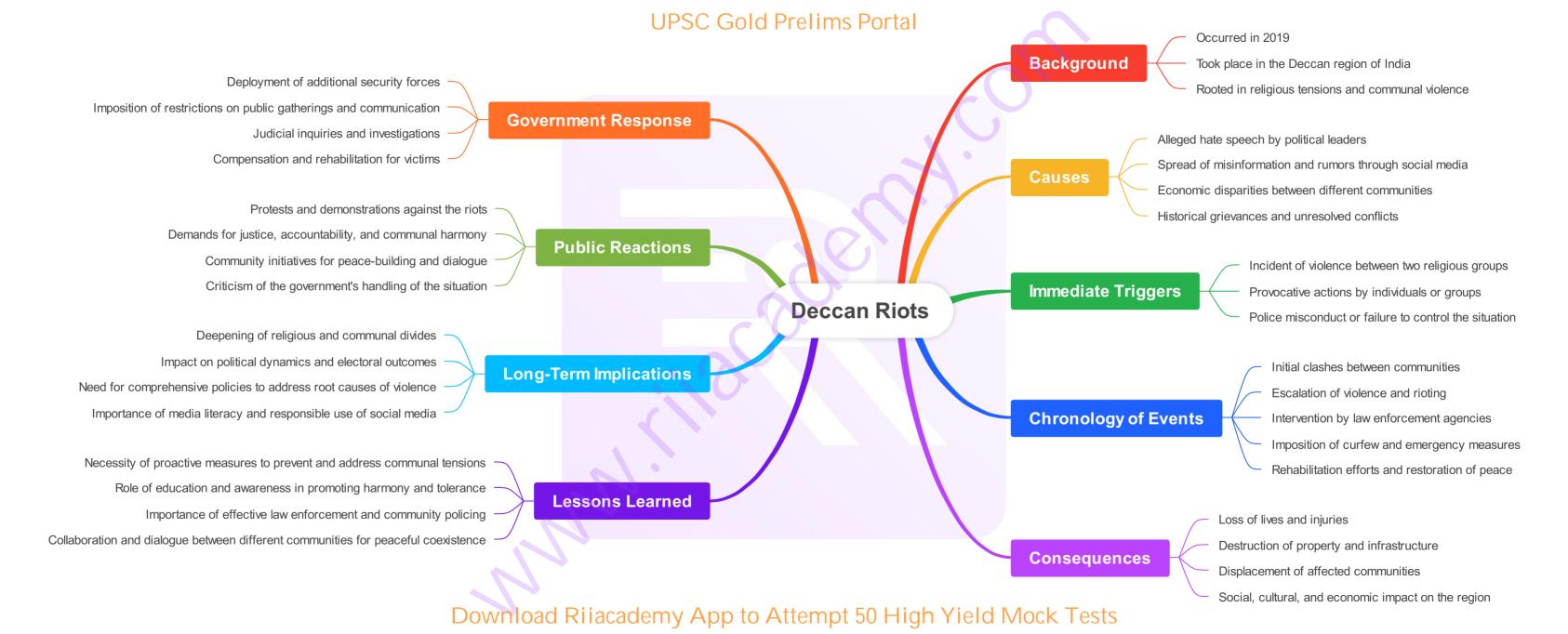
Download Rijacademy App to Attempt 50 High Yield Mock Tests

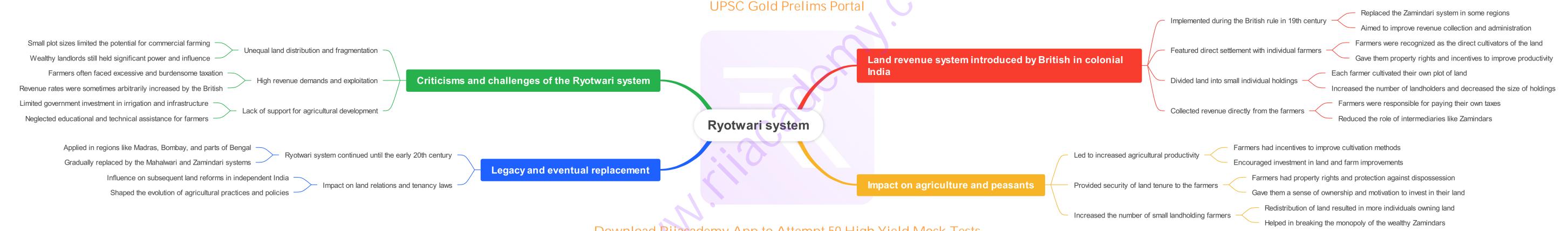


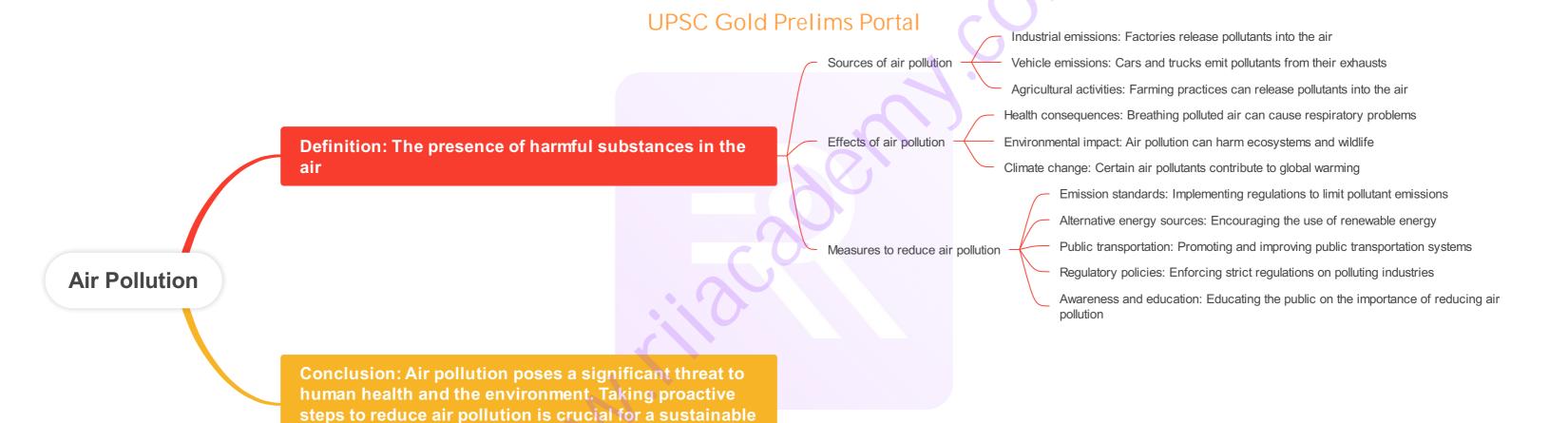




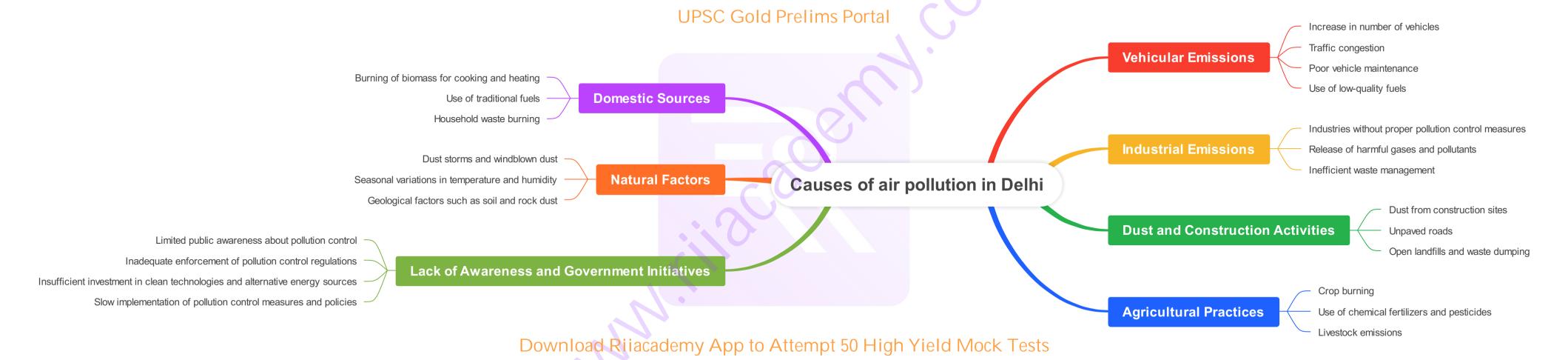


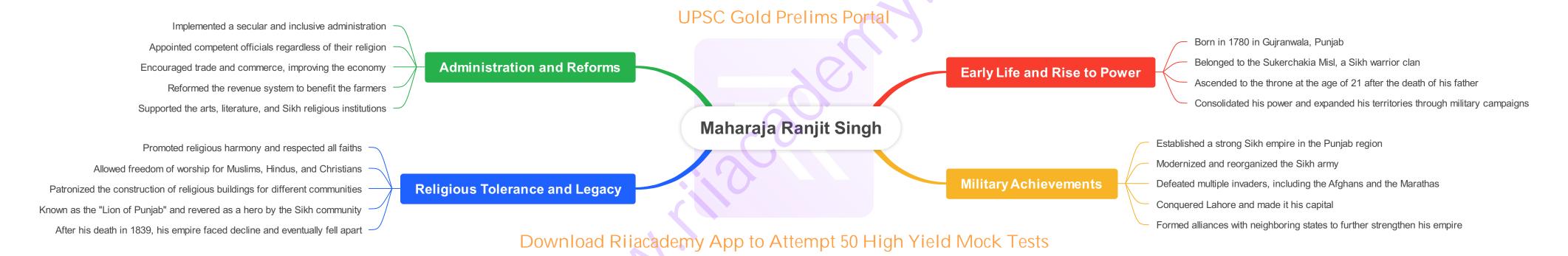


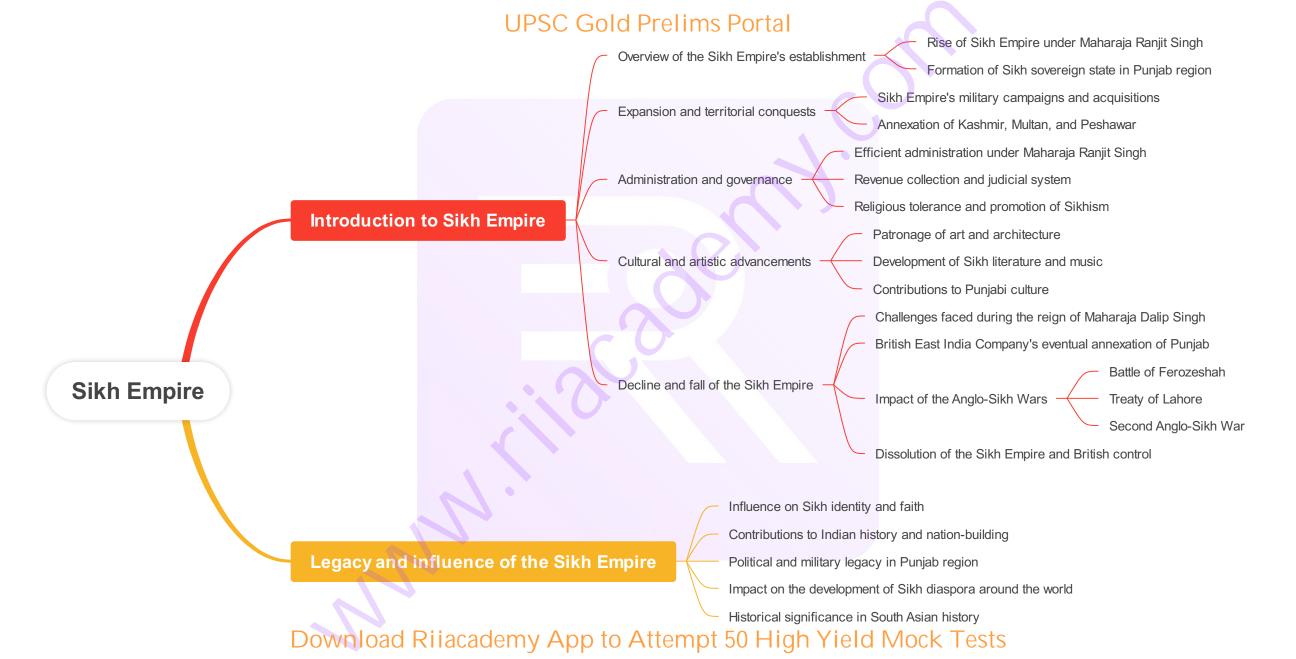


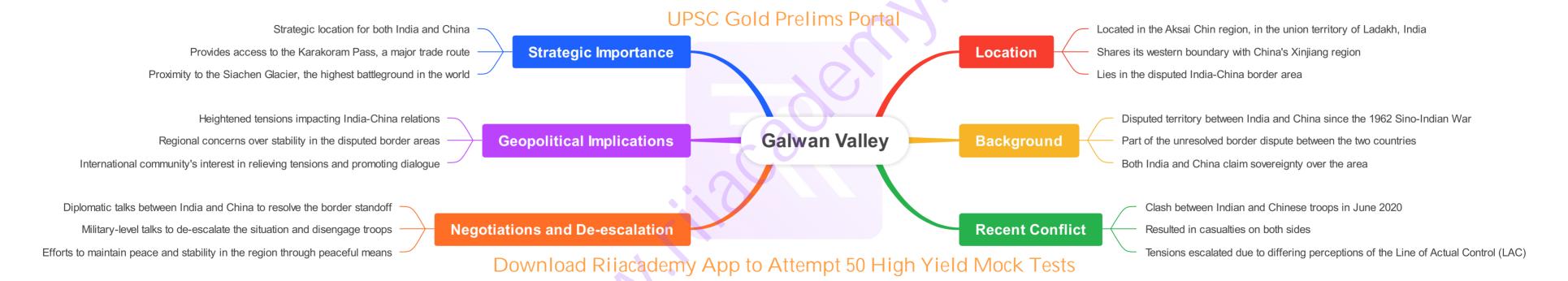


future.

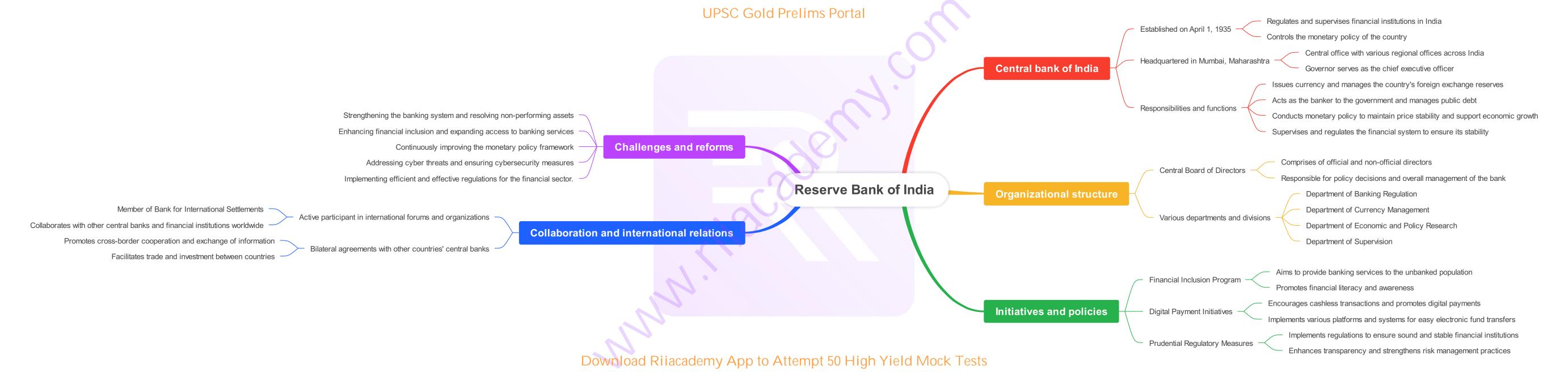








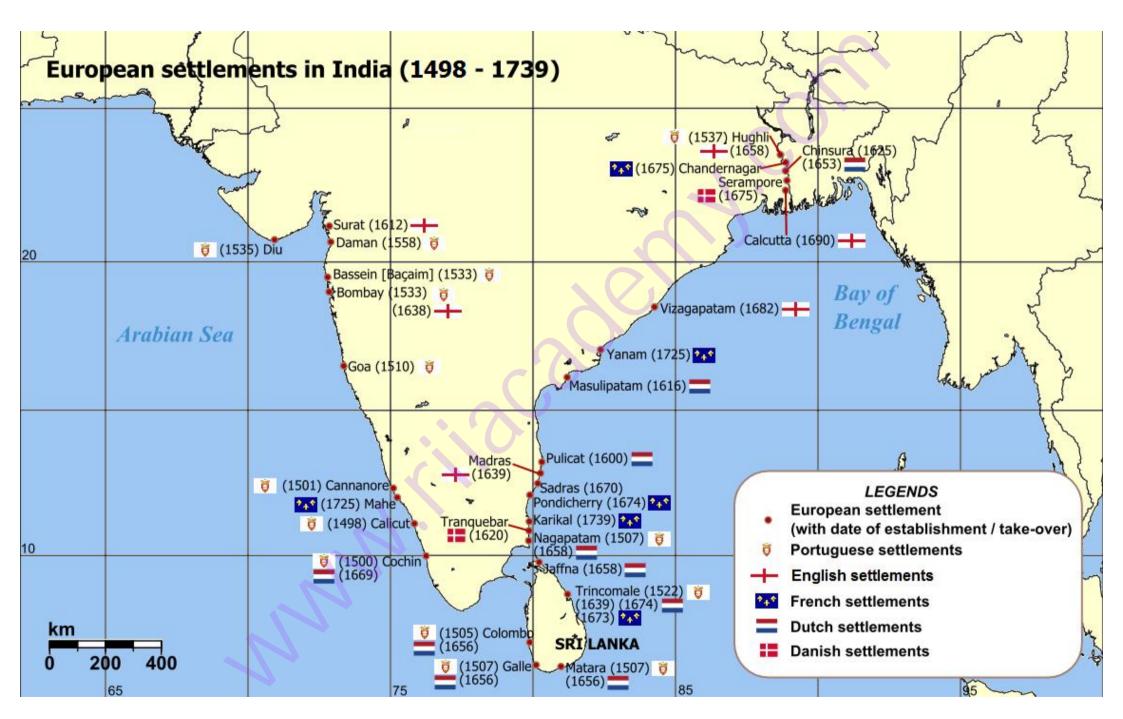








UPSC Gold Prelims Portal



Download Riiacademy App to Attempt 50 High Yield Mock Tests

Cooperative societies face challenges such as limited financial resources, lack of entrepreneurship, and inadequate infrastructure.

Ensuring transparency, accountability, and good governance is essential for their sustainable growth.

However, with proper support, capacity building, and policy interventions, cooperative societies can continue to contribute effectively to inclusive and sustainable.

societies can continue to contribute effectively to inclusive and sustainable development.

Cooperative societies play a crucial role in promoting economic development, especially in rural areas.

They enable small-scale farmers, artisans, and workers to overcome the limitations of individual efforts.

Cooperative societies provide access to credit, technology, and markets, thereby improving the income and livelihoods of their members.

They contribute to poverty alleviation, employment generation, and overall socioeconomic progress.

Cooperative societies are democratically managed by their members, who elect a board of directors or a managing committee.

The members have equal voting rights and participate in decision-making processes.

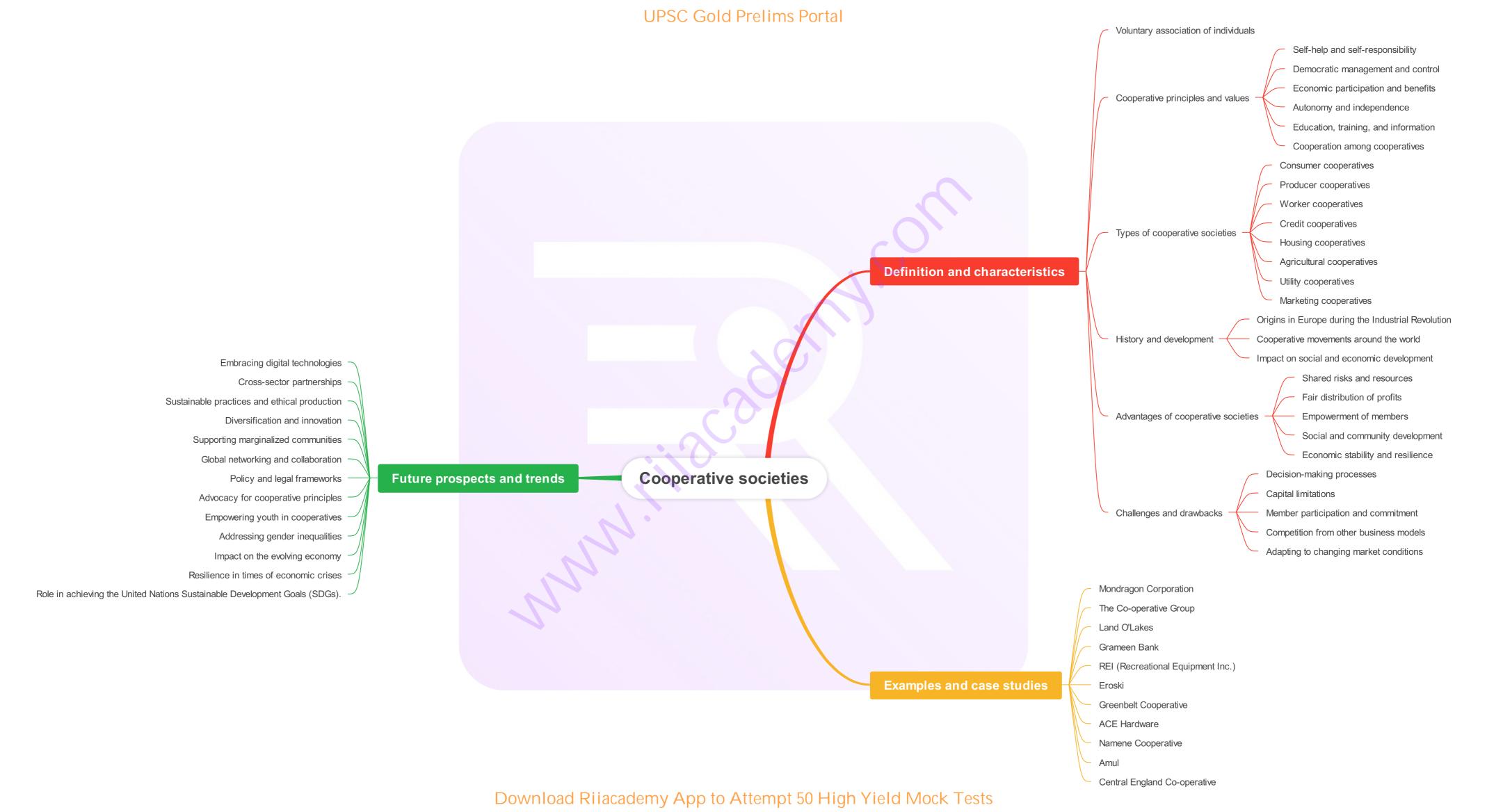
The management is accountable to the members and is responsible for the efficient operation of the society.

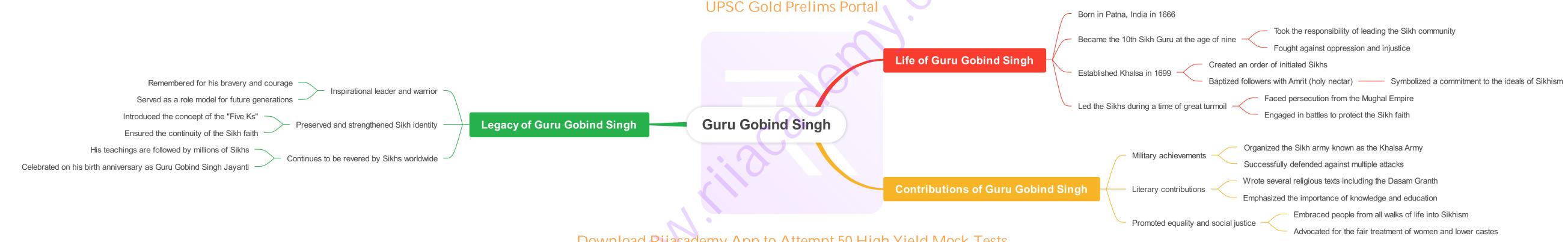
The process of forming a cooperative society involves the identification of a common economic goal and the drafting of bylaws.

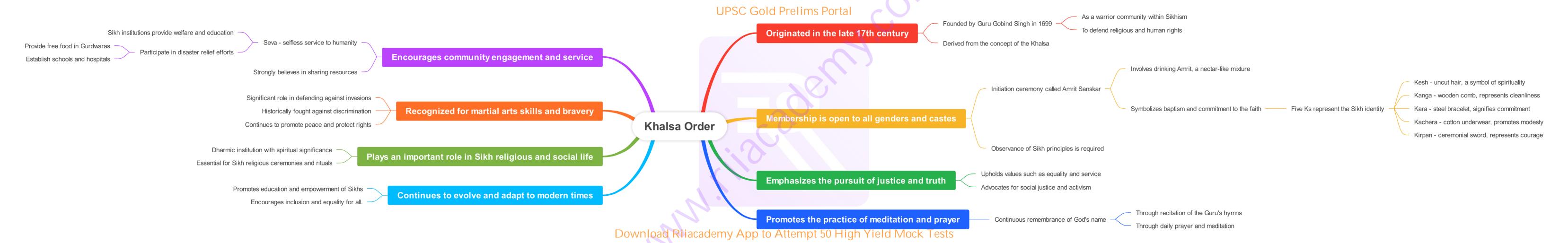
The society needs to be registered under the relevant cooperative act to acquire legal recognition.

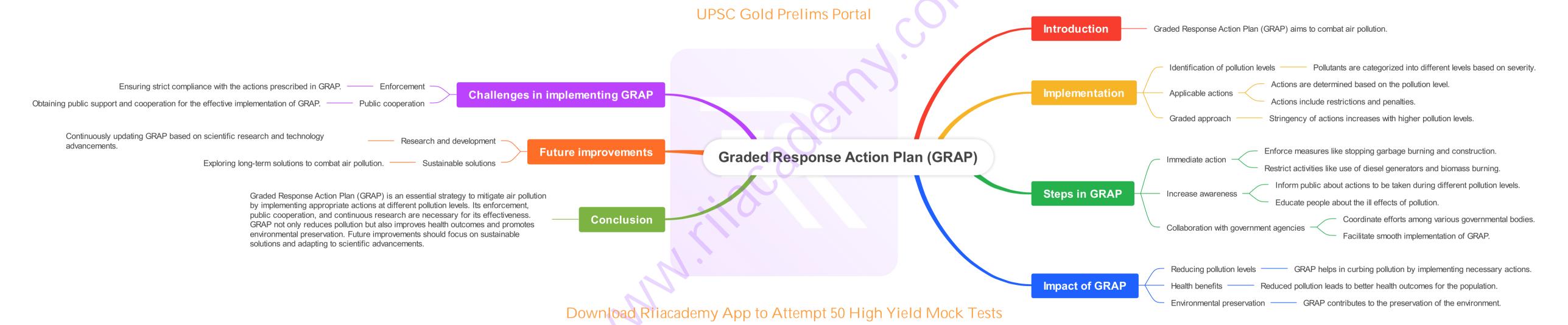
The registration process involves submitting certain documents and fulfilling prescribed criteria.

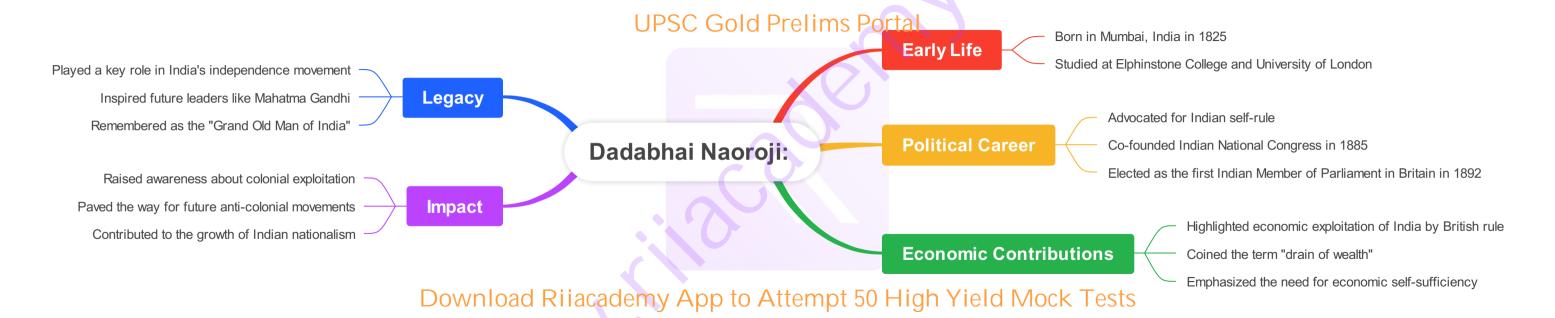
UPSC Gold Prelims Portal Challenges and future prospects of cooperative societies Cooperative societies are defined as voluntary associations of individuals who join together to achieve common economic goals. They are based on the principles of self-help, mutual cooperation, and democratic **Definition and concept of cooperative societies** participation. Cooperative societies aim to promote the economic interests and social welfare of their members. Role of cooperative societies in economic development The Constitution of India provides for the formation and regulation of cooperative Cooperative societies in Indian The State governments have the power to enact laws for the establishment, Legal framework for cooperative societies incorporation, regulation, and winding up of cooperative societies. Constitution Various state cooperative acts have been enacted to provide a legal framework for the functioning of cooperative societies. Management and governance of cooperative societies Cooperative societies facilitate the pooling of resources and skills of their members. They promote savings, investment, and economic self-sufficiency. Benefits and advantages of cooperative societies Members of cooperative societies enjoy benefits such as access to credit, fair prices for their produce, and improved bargaining power. Cooperative societies contribute to the overall development of the agricultural and rural sectors. Formation and registration of cooperative societies

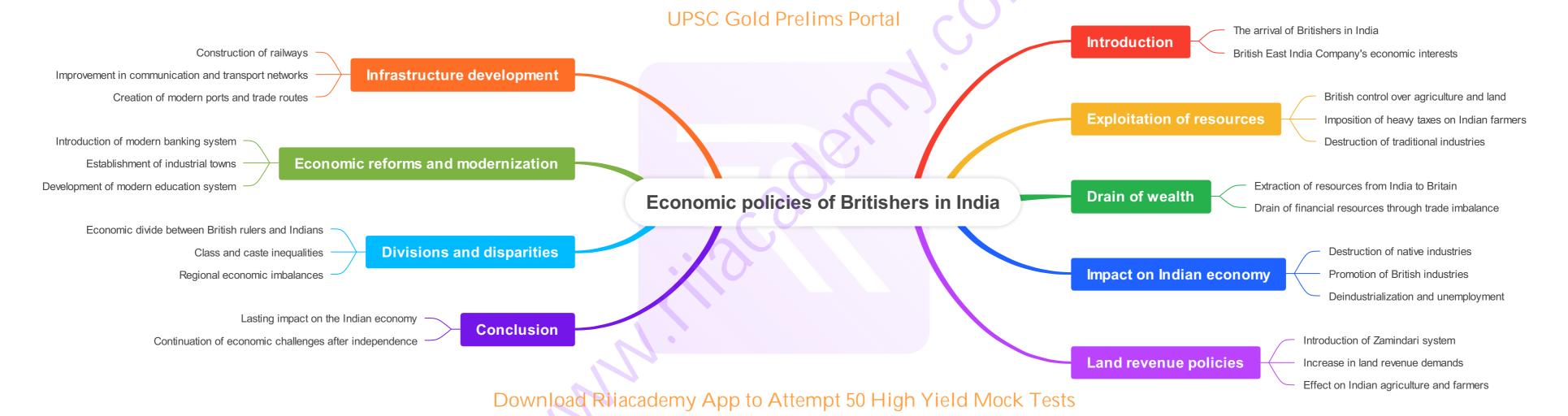


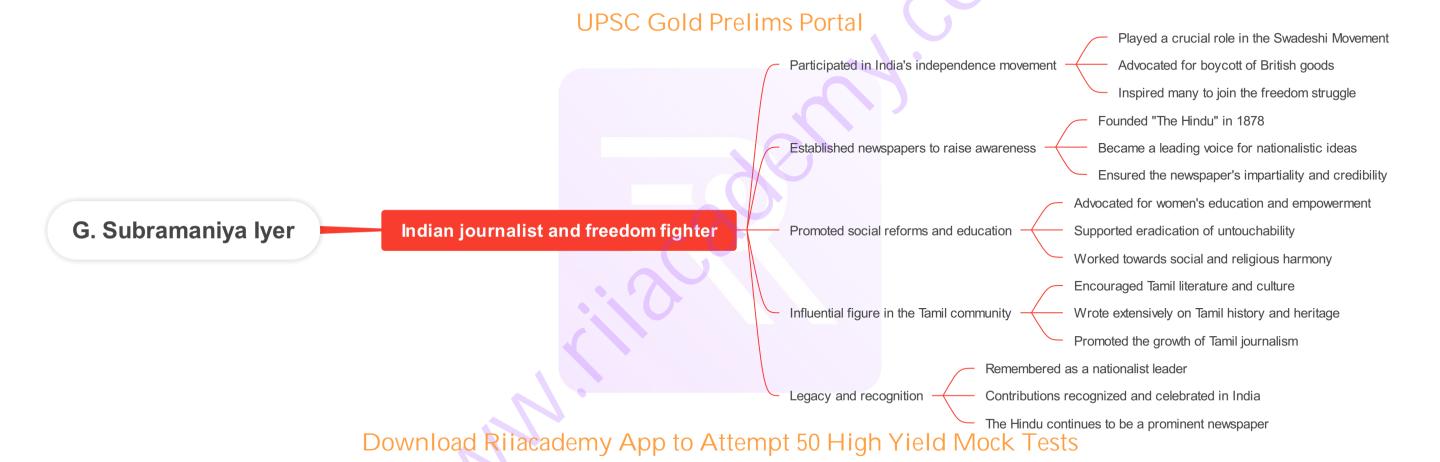


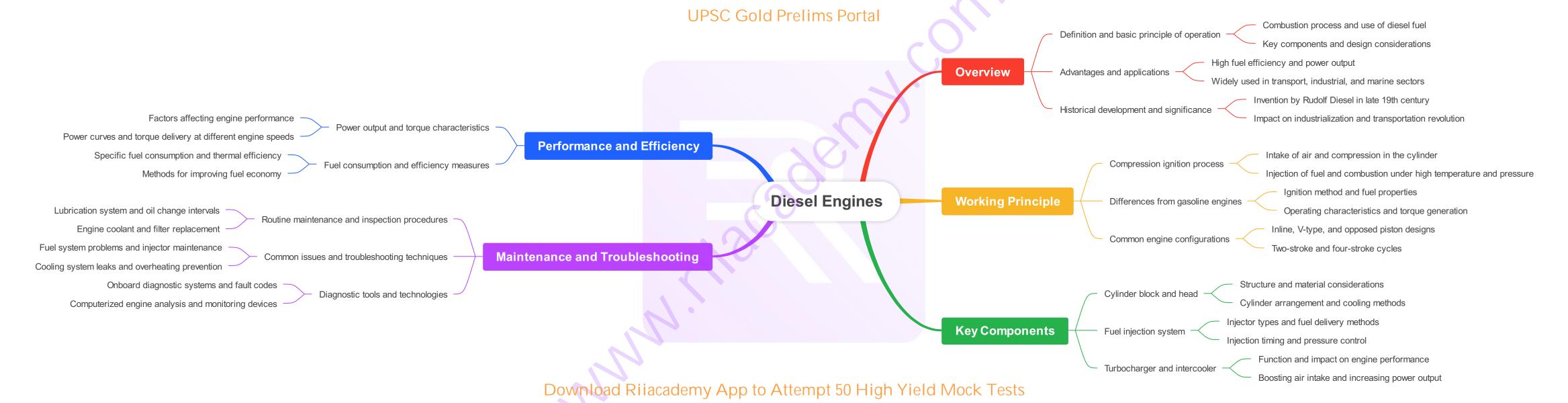


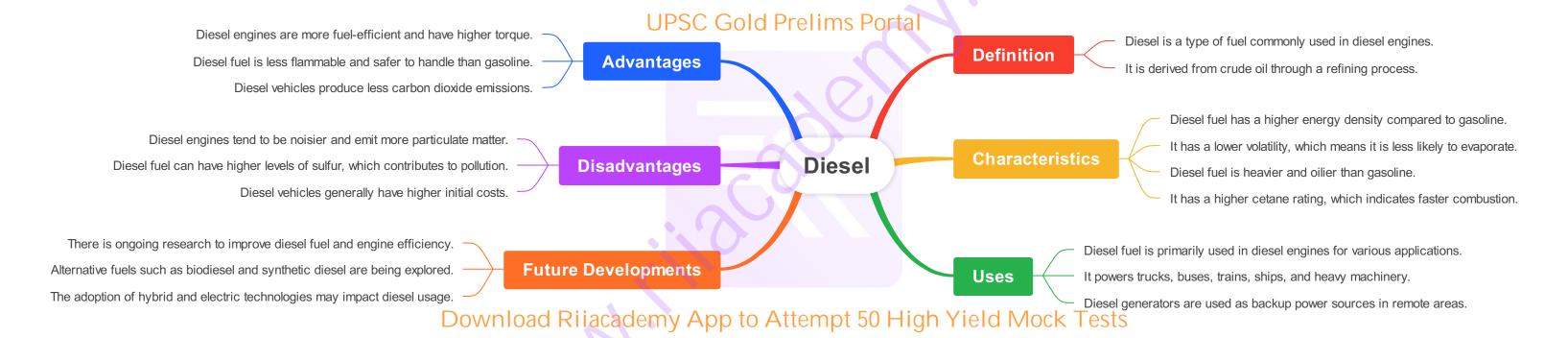


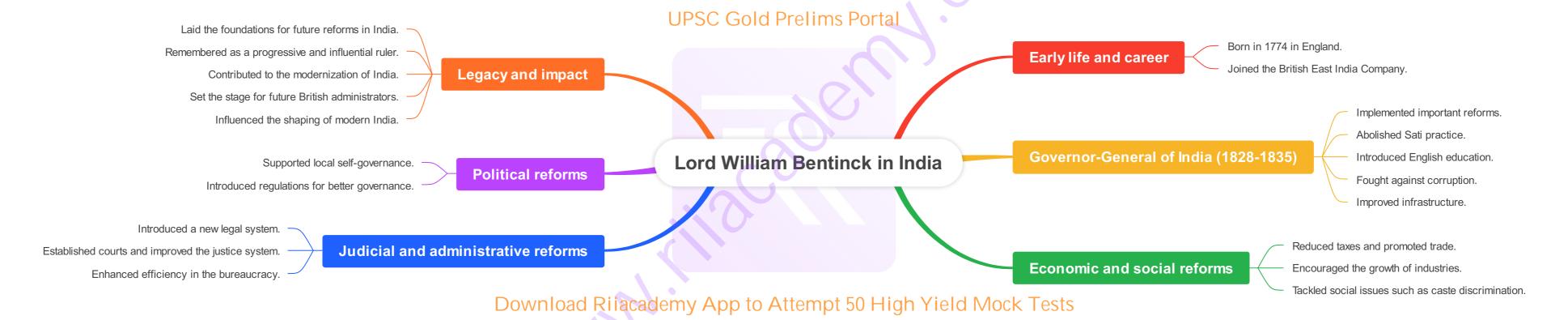


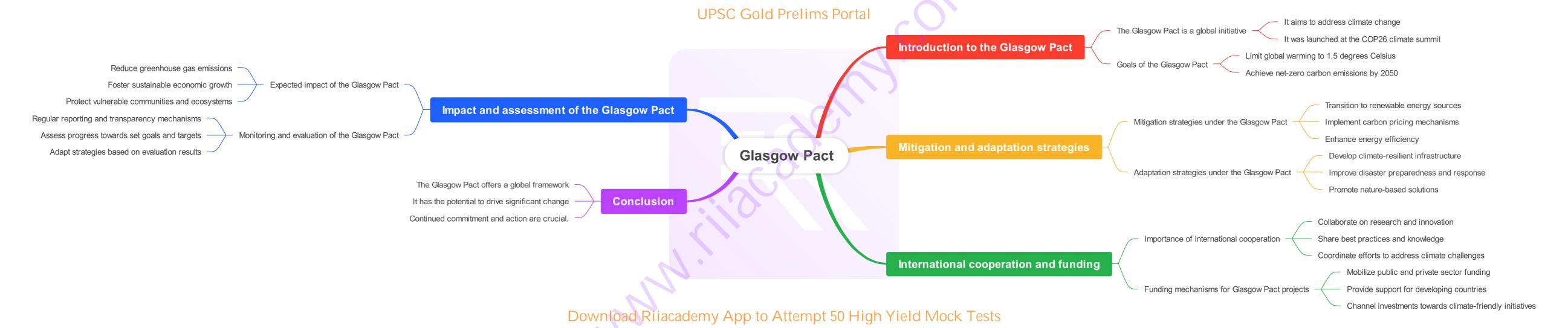


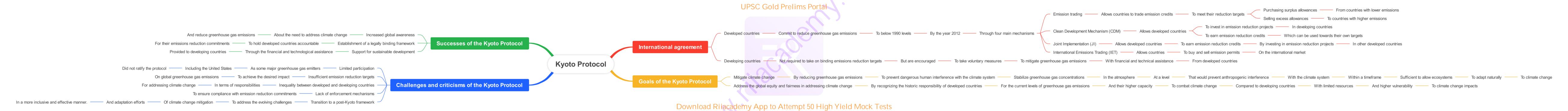


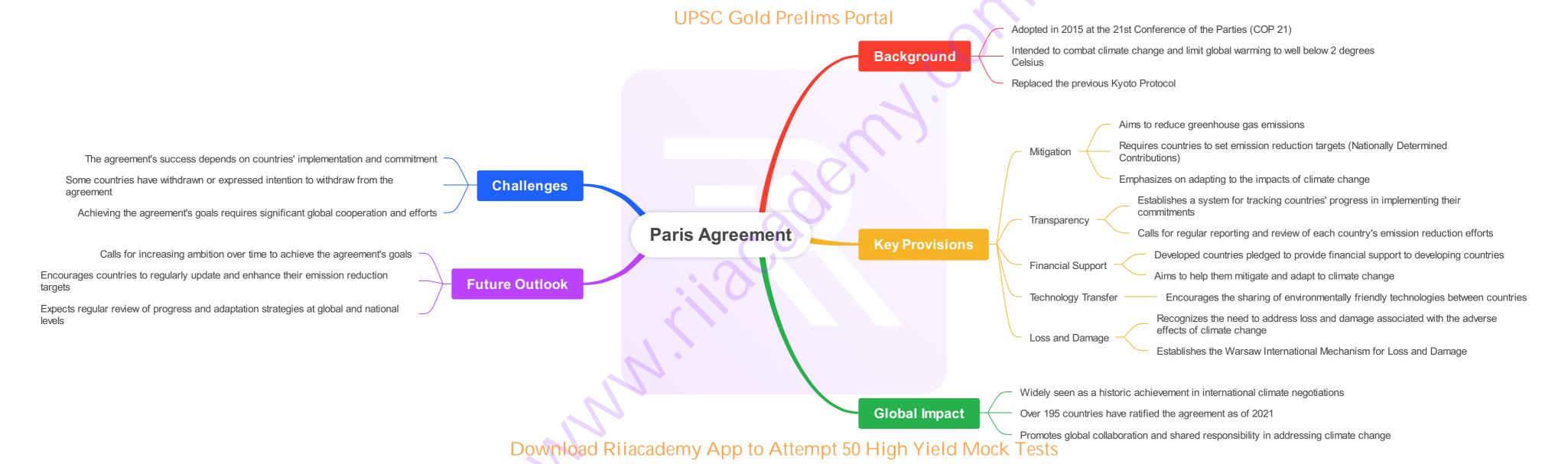


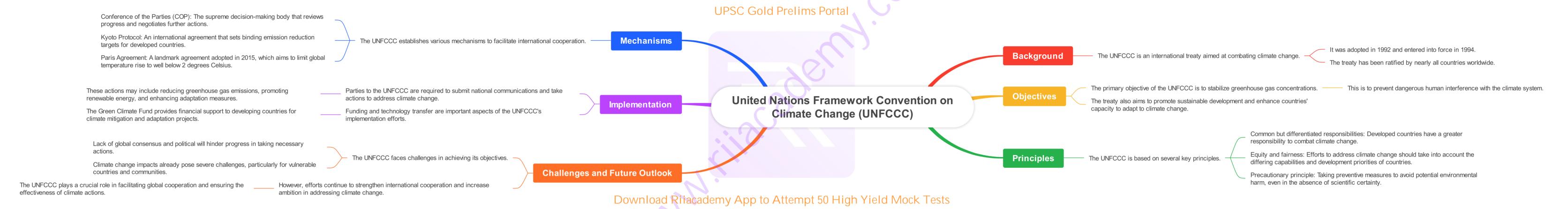












Chaitanya Mahaprabhu emphasized the importance of developing a personal relationship with Krishna through loving devotion.

He advocated for a simple and inclusive approach to spirituality, encouraging people from all backgrounds to chant the holy names of Krishna.

Chaitanya Mahaprabhu's teachings are compiled in the Chaitanya Charitamrita, a biographical account of his life and teachings.

He is revered as an incarnation of Lord Krishna himself by his followers.

Chaitanya Mahaprabhu's legacy continues to inspire millions of people around the world to lead a life of devotion and spiritual awakening.

UPSC Gold Prelims Portal

Chaitanya Mahaprabhu was a 16th century Indian saint and theologian.

He is considered to be the founder of the Gaudiya Vaishnavism tradition.

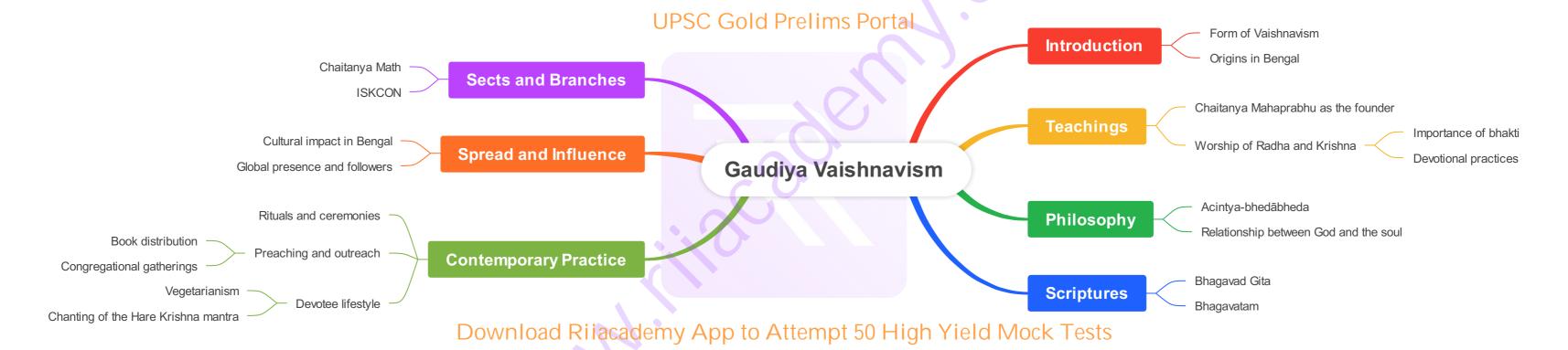
Chaitanya Mahaprabhu was born in 1486 in the holy town of Navadvipa in present-day West Bengal, India.

He was a devout worshipper of Lord Krishna and believed in the concept of bhakti, or devotion, as the highest form of spiritual practice.

Chaitanya Mahaprabhu popularized the chanting of the Hare Krishna mantra as a means of attaining spiritual enlightenment.

He traveled extensively across India, spreading the teachings of Krishna consciousness and attracting thousands of followers.

Download Rijacademy App to Attempt 50 High Yield Mock Tests



IRS satellites are equipped with advanced sensors and instruments that can capture images with high spatial, spectral, and temporal resolutions.

They operate in various spectral bands, including visible, near-infrared, shortwave and thermal infrared, microwave, and hyperspectral bands.

The satellites are placed in different orbits based on their mission requirements. ranging from polar sun-synchronous orbits to geostationary orbits.

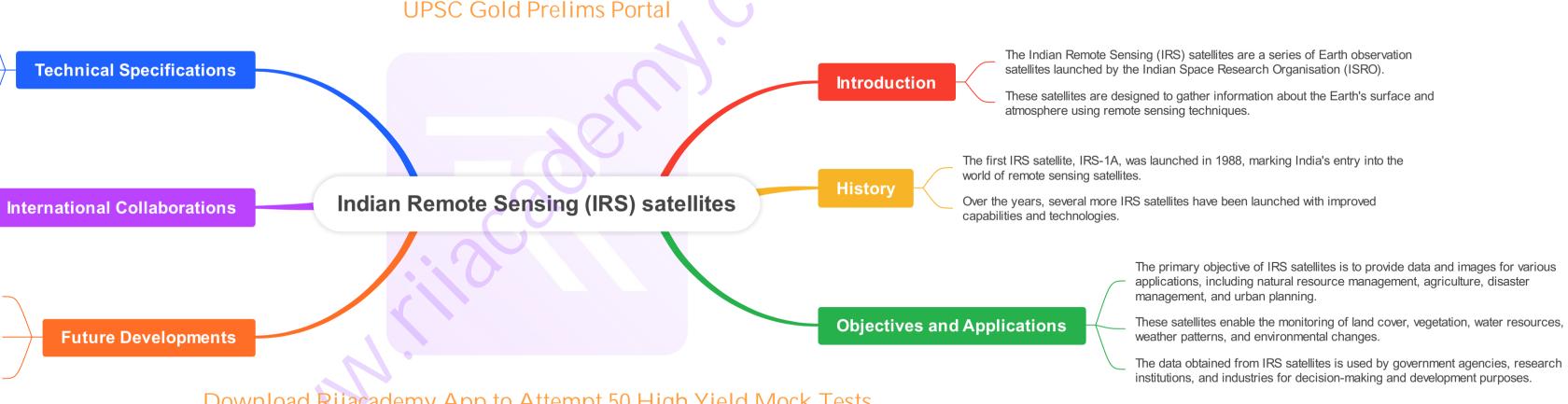
The IRS satellites have been used for international collaborative missions, providing data to various countries for disaster management, climate studies, and other research initiatives.

India has collaborated with organizations like NASA, ESA, JAXA, and others to share data and expertise in the field of remote sensing and Earth observation.

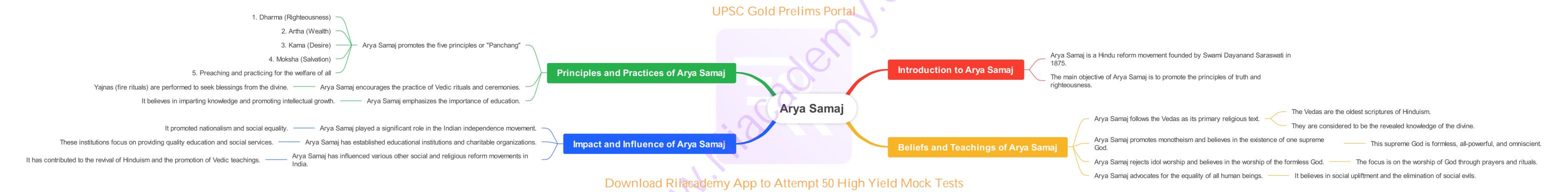
> ISRO has plans to continue the development and launch of advanced IRS satellites with enhanced capabilities and technologies.

The future satellites will focus on improving the accuracy and resolution of data, incorporating new sensing techniques, and expanding the range of applications.

ISRO aims to strengthen India's position in the global field of remote sensing and utilize the satellite data for sustainable development and environmental monitoring.



Download Rijacademy App to Attempt 50 High Yield Mock Tests



The Shuddhi movement had significant social and religious implications in India. —

It aimed to strengthen Hindu unity and consolidate the Hindu community against the perceived threat of religious conversion.

The Shuddhi movement faced criticisms and controversies due to its approach towards religious conversions.

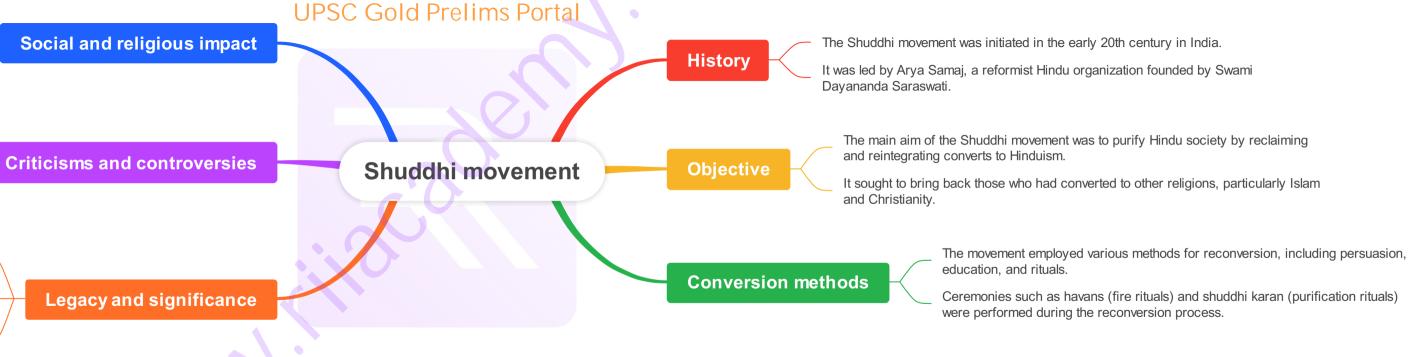
Critics argued that it was a form of religious intolerance and forced reconversion.

The movement also faced resistance from non-Hindu communities and organizations.

The Shuddhi movement played a significant role in shaping Hindu identity and asserting the dominance of Hinduism in India.

It contributed to the revival of Hindu traditions and promoted a sense of pride and unity among Hindus.

The movement's legacy can still be seen in various Hindu organizations and their efforts to preserve Hindu culture and traditions.



Download Rijacademy App to Attempt 50 High Yield Mock Tests