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PRIYANSHU AGRAWAL GS I_TEST - 5

MACRO COMMENTS

The Purpose of evaluation@nextias.com is to provide constructive suggestions on 'How to improve Answer Writing and thereby score better marks.

STRENGTHS OF THE CANDIDATE

AREAS OF IMPROVEMENT

IMPROVEMENT SUGGESTIONS

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Q.1 नगरीकरण के तत्त्वों पर प्रकाश डालते हुए चर्चा कीजिए कि किस प्रकार कृषि ने हड़प्पा सभ्यता की स्थायी सफलता और दीर्घायु में महत्वपूर्ण भूमिका निभाई थी। (10 अंक, 150 शब्द)

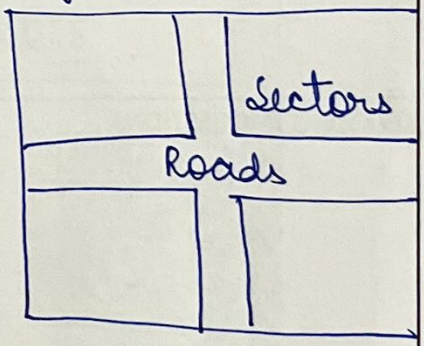
Highlighting the elements of urbanization discuss how agriculture played a pivotal role in the enduring success and longevity of the Harrapan Civilization. (10 marks, 150 words)

Harappan Civilization holds importance of highlighting epitome of growth and urbanization, that inspires in shaping modern day solution like Dholavira water management approach

Elements of urbanization

i) Well planned system through perpendicular road distributing into sectors of urban sphere

Eg:- Harappa city planning



ii) The living facility with sustainable housing having ventilations and follow of Vastu Shastra like in Lothal area

iii) The dedicated centre of trade or storage of granaries for trade controlled system

iv) Citadel based system of living and use of half burned bricks like in Dholavira

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Agriculture playing pivotal role

i) Promote exporting potential seen by trade of millets to Mesopotamia

ii) Help in creating agri-based industries
Eg:- Traces of cotton usage and plantation around Gujarat area

iii) The following of mixed agriculture with cattle rearing to point on broadening of agriculture

iv) Use of agriculture tools like axle found in Kalibangan region

v) Adequate storage facilities with perforated pottery found in areas of Mohenjadaro

vi) Adequate storage throughs granaries for warehousing and buffer facilities

Thus providing adequate learning towards modernizing Indian agriculture.

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Q.2 भारत छोड़ो आंदोलन ने राष्ट्र की आत्मा को जागृत किया और स्वतंत्रता के एकीकृत दृष्टिकोण में विभिन्न वर्गों को एक साथ लाया। चर्चा कीजिए। (10 अंक, 150 शब्द)

The Quit India Movement marked the awakening of the nation's soul and brought diverse sections together in a unified vision of Independence. Discuss (10 marks, 150 words)

In the backdrop of failure of Cripps India mission as "post dated cheque", Gandhiji accounted for final call for struggle through "Do or die" slogan for Quit India movement

Awakening of nation's soul

I) The strengthening of voices by increased participation and support like emergence of new leadership like Kriplani

II) Imbibing sense of defeating British due to early precedents set by Civil-disobedience

III) The inclusive participation accounting formation of parallel government like by Chitu Pandey

IV) The role towards mobilizing

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unreached sector and breaking up ties of British with Indian military support like mass resignation from forces

Brought diverse sections

i) Support from various Princely States like Wodeyar dynasty across Madras region

ii) The re-surface of revolutionary based fervour shaped by communist ideas like Chittagong raid

iii) The increased support from Indian Capitalist class by contributing through funds and Swadeshi ideas

iv) The increased role of youth who strike within University and shaped of Satyagraha at diverse places like Bombay, Lahore etc.

Thus Quit India acted as final nail in coffin shaping India's tryst with destiny on 15th August, 1947

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Q.3 एशिया एवं अफ्रीका में उपनिवेशवाद से मुक्ति की प्रक्रिया को तीव्र करने में द्वितीय विश्व युद्ध के प्रभावों का विश्लेषण करें।
(10 अंक, 150 शब्द)

Analyze the impact of World War II in accelerating the process of decolonization in Asia and Africa.
(10 marks, 150 words)

World War II ended in 1945 by mammoth atomic bombing by USA on Japan marking victory of allied forces.

Impact in process of decolonialization

I) Huge war losses
faced by nations like UK got huge criticism within natives, forcing them to retreat back for internal re-development

II) Emerging success of Independence
Eg:- Kenya and Indian Independence started spill over effect in continent

III) New multi-lateral association
Eg:- United Nation is proclaiming against colonialism

IV) Role of NAM
To help uniting against colonial

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forces and shaping order towards decolonial tendencies.

v) The new form of turf war
The replacement of colonialization by US-USSR war to install either Capitalism or communism in countries like North-South Korea

vi) The high economic debt situation due to heavy war loss, lead to forceful retaliation like France from Vietnam due high debt condition

vii) Shifting global order
With weakening of European forces and high internal resistance lead to decolonialization of across Asia and Africa.
However, it give rise to new form of Neocolonialism through underdevelopment led dependency world order.

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Q.4 अवसादी चट्टानों के विभिन्न प्रकार और उनकी निर्माण प्रक्रियाओं पर चर्चा करें। अवसादी चट्टानों का आर्थिक महत्व क्या है?

(10 अंक, 150 शब्द)

Discuss the various types of sedimentary rocks and their formation processes. What is the economic significance of sedimentary rocks?

(10 marks, 150 words)

Sedimentary rocks are formed by compaction and foliation of loose sediments by application of force either by thermal or pressure condition

Various types of rocks

I) The exfoliated sedimentary rocks due to thermal effect

II) The loosely formed rocks like shale, limestone rocks

III) The rocks due to pressure condition Eg:- hard rocks of sedimentary compaction

Formation process

I) The clustering of fine sediments due to weathering or erosion activities

II) As the application of heat and

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pressure result into compaction effect and finally bending internally due to coercive nature of external forces forming sedimentary rocks

Economic significance

i) High fossil content, thus helpful in producing energy like coal with high energy density

ii) The easy extraction process, helping in mineral exploration trapped within these rocks

iii) The formation of soil, due to easy dissolution of rocks releasing trapped phosphorus providing aid in agriculture

iv) High utility across industrial process like limestone rocks used in creating chalks

Thus play a vital role in economic empowerment

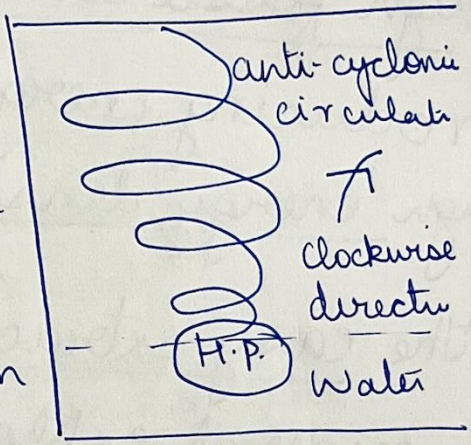
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Q.5 प्रतिचक्रवाती परिसंचरण की विशेषताएं क्या हैं और वे भारतीय उपमहाद्वीप पर मौसम के प्रतिरूप को किस प्रकार प्रभावित करते हैं?
(10 अंक, 150 शब्द)

What are the characteristics of anticyclonic circulations, and how do they influence weather patterns over the Indian subcontinent?
(10 marks, 150 words)

Anti-cyclonic circulation, unline cyclonic are high pressure region, having moderating effect and low disaster risk potential

Characteristics



I) Formed in high pressure situation with low oceanic temperature than above atmosphere

II) They blow in opposite direction like clockwise direction in North hemisphere

III) They have lower water surge with high vertical wind shear causing low time of survival

IV) They highlights formation of water mass due to stable condition unlike cyclone due high latent heat of vapourization

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Influence on weather patterns

i) It prevents over-heating of oceans and hence anti-effect on risk due cyclone formation

ii) Undermines role of negative effect due phenomena like negative IoD or El-Nino on weather condition

iii) It ensures optimum condition to prevent situation of marine heat waves, thus prevent effect on natural marine biodiversity

iv) They aid in formation of local winds in subcontinent regions like mango showers across Arabian coast

v) They promote cooling effect by pressure moderation and wind formation thus critical role in weather shaping in Indian region.

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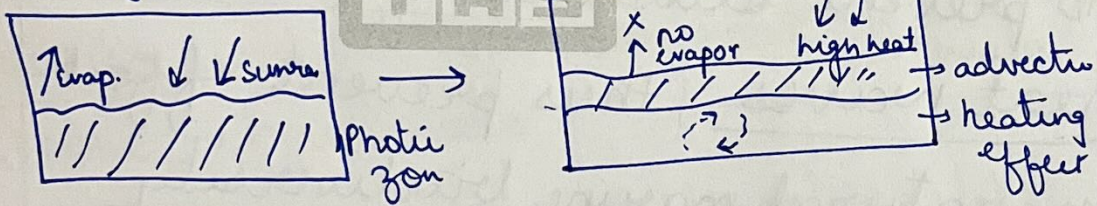
Q.6 प्रवाल विरंजन क्या है और इसके मुख्य कारण क्या हैं? साथ ही, प्रवाल भित्ति के संरक्षण में समुद्री संरक्षित क्षेत्रों (एम पी ए) की भूमिका का मूल्यांकन कीजिए। (10 अंक, 150 शब्द)

What is coral bleaching, and what are its main causes? Also, evaluate the role of marine protected areas (MPAs) in the conservation of coral reefs. (10 marks, 150 words)

Coral bleaching refers to release of zooxanthelles from coral polyps due breakdown of symbiotic relations resulting into coral mortality.

Main causes of it

I) Role of marine heat waves causing high temperature to 30°C



II) Influx of heavy freshwater due to melting of snow, causing change in salinity level across Bay of Bengal region

III) The negative phenomena like El-Nino causing huge destroyal of corals on Western Eastern Australian Coast due reversal of Walker circulation.

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iv) Illegit mining practice like blast fishing across Indonesia causing coral destruction

v) Climate change based positive feedback as IPCC observed increase sea level, leading to aphotic zone of coral regions

Role of MPA's in conservation

i) They help in promoting sustainable fishing practices, to account for coral safety

ii) Accounting for restoration by ways like coremesh or biorock technology

iii) Promoting shared global responsibility with monitoring against illicit exploitation

Thus ensuring coral restoration by ways of common shared approach

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Q.7 क्षेत्रीय आर्थिक एकीकरण एवं विकास को बढ़ावा देने में आर्थिक गलियारों की भूमिका पर चर्चा करें। चेन्नई-बेंगलुरु औद्योगिक गलियारा (सी बी आई सी) जैसी परियोजनाएं भारत की व्यापक आर्थिक विकास रणनीतियों के साथ किस प्रकार संरेखित हैं?

(10 अंक, 150 शब्द)

Discuss the role of economic corridors in fostering regional economic integration and development. How do projects like the Chennai-Bengaluru Industrial Corridor (CBIC) align with India's broader economic growth strategies?

(10 marks, 150 words)

In lieu of improving logistics under PM Gati Shakti to reduce cost to 10% of GDP; the Industrial corridor is envisaged as means for complete solutio

Role of economic corridors

Regional Integration
- By ways like multi-modality to reduce transit time
- Ensure market penetration by highways or improving logistics facility
- Promote agglomerate efforts by enclave creation like Chennai for automob

Development
- By economies of scale by Pharma industries in Gujarat area
- Ensure high export potential by reducing cost
- Supply chain resilienc for undisturb trad

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Role of projects for economic growth

i) Promote better resource management

Eg:- Trade of perishable goods due to timely supply of footloose material

ii) The dedicated industrial development

Eg:- Chennai-Banglore corridor for electronic sector development

iii) Provide comprehensive linkages

Eg:- Effective warehousing facility across Surat-Mumbai corridor for storage and packaging

iv) Timely supply by coordination

To overcome silos based situation by better inter-state trade

Thus key towards Indian roads for Viksit Bharat, 2047

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Q.8 जेंडर फ्लूइड पहचान क्या है, तथा स्ळठञ समुदाय को पूर्ण सामाजिक समावेशन और समानता प्राप्त करने में किन चुनौतियों का सामना करना पड़ रहा हैं? (10 अंक, 150 शब्द)

What is gender fluid identity, and what are the LGBTQ community's ongoing challenges to full societal inclusion and equal treatment? (10 marks, 150 words)

In the recent PEW research, 60% people fails to explain their true gender, highlighting on fluidity due gender being 'social construct'.

Gender fluid identity

i) Challenge notion of cis-based system
To account for orientation towards both sex as transgender

ii) Stand against strict dichotomy
By examining differential association like lesbian, gay etc.

iii) Promoting sexual rights
To have inter-relation over gender based identities

iv) Freedom of choices
over materialistu differentiation

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by canalization of identities like pink chaddi movement by males

Problems with LGBTQ+

i) At early stage, forcing verbal appellation to gender identity and restricting rights of choice of gender

ii) At youth stage, high level of homelessness on scourage of prestige pushing them into ghettoization

iii) At adult, pushing into minial jobs like prostitution and preventing scope of human resource development or system like tobacco abuse

iv) At senior age, low facility for hospitals or adult age care, leading to high % mortality rate

Thus need Yogyakarta Principle for comprehensive approach.

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Q.9 क्षेत्रीय और राष्ट्रीय पहचानों के मध्य का अंतर्संबंध किस प्रकार क्षेत्रवादी भावनाओं के उद्भव को बढ़ावा देता है? हम क्षेत्रीय पहचान को व्यापक राष्ट्रीय पहचान के साथ किस प्रकार संतुलित कर सकते हैं? (10 अंक, 150 शब्द)

How does the interplay between regional and national identities fuel the emergence of regionalistic sentiments? How can we balance regional identities with broader national identity?

(10 marks, 150 words)

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Harihar Bhattacharya stated that "regionalism refers to affinity with geographical location due to intersects with shared identities on lines of caste, class, ethnicity etc".

Interplay of regional and national identities

i) Forming son of soil ideology
Eg:- Marathas for reservation in Maharasthra

ii) Internal colonialization
Eg:- Case study on Gorkha issue due to perceived deprivation by Assam groups

iii) Ethnical cleansing
Eg:- Regional aspiration of Kukis Versus Meities within Manipur

iv) The Seperatist tendencies

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Due subjective realization by Naga party for greater Nagalim

Ways to balance

i) Promoting sense of cultural pluralism on idea of Unity in diversity and Sarva Dharma Sambhava

ii) Bezbaruah Committee recommended for perception building of inclusive conditions

iii) Amartya Sen Capability approach to promote development by social upliftment

iv) Protecting rights of minorities as Nehru Panchsheel policy approach

These will ensure true idea of Ek Bharat Shreshtha Bharat

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Q.10 विभिन्न सांस्कृतिक प्रथाएँ और परंपराएँ "विविधता में एकता" के विचार में किस प्रकार योगदान देती हैं? अपनी चर्चा के समर्थन में उदाहरण दीजिए। (10 अंक, 150 शब्द)

How do various cultural practices and traditions contribute to the idea of "Unity in Diversity"? Provide examples to support your argument. (10 marks, 150 words)

Unity in diversity as per Ram Ahuja is not just about collet homogenization but also adequate freedom for difference within society is met with tolerance and fraternity".

Various practices contributing

1) The celebration of festivals

Eg:- Diwali-Eid-Christmas all together for cultural effervescence

11) Secular with religious freedom

Eg:- Safeguarded under Art 25 with doctrine of essentiality to balance right to life and religion like triple talaq case

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iii) Geographic uniqueness

Eg:- Different tribal groups with cultural heterogenity unite under Indian identity

iv) In culinary and folk tradition

Eg:- Prevalence of Paneer Biryani, McDonald going vegetarian on Navratri depicts culinary integration

v) Integration of shared nationalism

RC Guha observed unity in ways like cricket nationalism, Kargil time despite having diverse taste

vi) Integrating into various groups

Eg:- Different rituals by Kashmiri and Dravidian Pandits, but unite as Brahmins under Varna System

These highlight salad bowl based depiction of Incredible India.

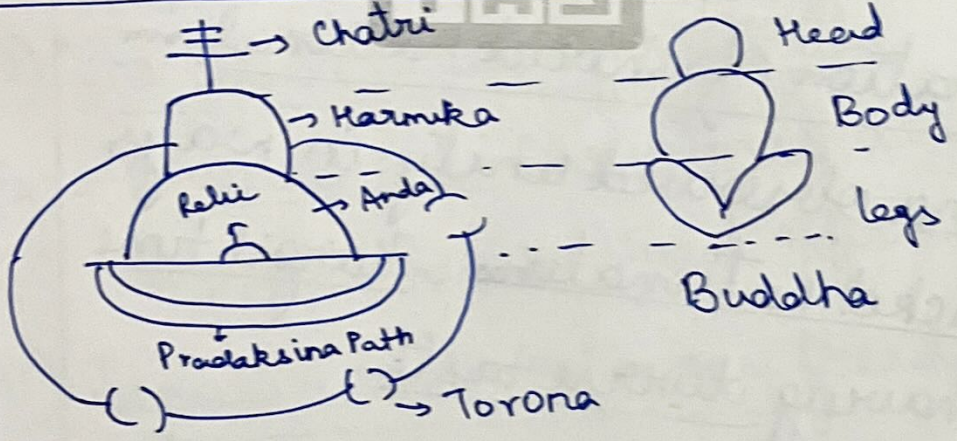
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Q.11 बौद्ध वास्तुकला और संस्कृति के संदर्भ में स्तूप कला का क्या महत्व है? इसके विभिन्न तत्वों तथा प्रतीकवाद और बौद्ध मान्यताओं को बढ़ावा देने में उनकी भूमिका की चर्चा कीजिए। (50 अंक, 250 शब्द)

What is the significance of Stupa art in the context of Buddhist architecture and culture? Discuss its various elements and symbolism and their role in coveying Buddist beliefs. (15 marks, 250 words)

In the rich tapestry of Indian art and architecture, Stupa highlights not only examplary craftsmenship with intricate design, but also have social implications on basis on Buddhist ideology

Stupa art



Significance

1) Highlight the realism of Buddha

Eg:- Chatri as head of Buddha with involvement of all preacher

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ii) The four ways torana depicting upon four cycles of Buddha, like Mahaparinirvana; nirvana etc.

iii) The relics of Buddha at centre for high spiritual value. Eg:- Sanchi Stupa

iv) Promoting cultural effervescence by Jataka stories on walls like Stupa in Bodhgaya

v) The centre for preaching Buddhism. Eg:- Stupa in Taxilla University vicinity

vi) As means to promote solidarity by 3 layers of chatri based depiction.

Various elements and symbolism

i) Role of Anda, depicts upon right course of action by preaching middle path and overcome desire and chasity

ii) The Harmika accounts equivalent

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to eight fold path preached by Buddha in pursuit of true enlightenment

iii) The role of Pradikshna path around main centre as means to have spiritual ~~em~~ assemblage within the Stupa

iv) The equivalent standing overcoming Brahminical supremacy thematics throu role of Chatri as united being

v) Intricating Jataka stories on walls of Stupa for highlighting messages from life of Buddha

vi) The role of Toronas to depict four key cycles in human life

Thus we continue to celebrate Stupa under Vikas Bhi Virasat Bhi.

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Q.12 "19वीं सदी के भारत में स्थापित सामाजिक रीति-रिवाजों और औपनिवेशिक प्रभुत्व के विरुद्ध दोहरा संघर्ष सामाजिक-धार्मिक सुधार आंदोलनों की एक प्रमुख विशेषता थी।" 19वीं सदी के भारत के सामाजिक-धार्मिक सुधार आंदोलनों ने औपनिवेशिक सांस्कृतिक और वैचारिक आधिपत्य के प्रति किस प्रकार प्रतिक्रिया व्यक्त की है? (50 अंक, 250 शब्द)

"The dual struggle against entrenched social customs and colonial dominance was a prominent feature of socio-religious reform movements in 19th century India." How did the socio-religious reform movements of 19th century India respond to colonial cultural and ideological hegemony? (15 marks, 250 words)

In the Indian renaissance shaped by idea of equality, liberty and fraternity from European Enlightenment, shaped new reform movement in 19th Century India

Socio-religious reform movement as respond to colonial culture

I) Focus on egalitarian power sharing

Eg:- Demands for Indianization of Civil services by Congress in 1886.

II) The shapening of legislative reforms

Eg:- Bentnick anti-sati laws due to Ram Mohan Roy Brahmo Samaj

III) Clamping on proselytizing tendencies

Eg:- Arya Samaj through Ghar Wapasi movement

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iv) Preaching for rational development

Eg:- Young India movement by Derozio for scientific study

v) Challenging notion of racial supremacy

Eg:- Ranade Prarthna Samaj for self education on Guru-Shishya Parampara

vi) Challenging Victorian motherhood idology

Eg:- Sarlabai through Stree Mahamandal to promote indigenous development

vii) Preventing colonial subjugation

Eg:- Glorification of Bharatmata painting against colonial imperialism

viii) Shifting social customs

Eg:- Jyotibai Phule against dalit discrimination by Satya Shodak Samaj

ix) The stand against colonial dominance

Eg:- Against Metcalfe Evangelicism to

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promote indigeneous education with equal opportunities to women like Bethune school by Vidyasagar

x) Protect rich Indian heritage

Eg:- Theosophical society by Besant to promote Orientalist idea

xi) Shifting from Europeanization tendency

Eg:- Shaping of Indian reforms by bodies like Brahmo Samaj, Arya Samaj for safeguarding Indian rich culture

xii) Against the role of social manipulation

By promoting spirit of Swadeshi that shaped struggle against Curzon's partition of Bengal later

These socio-reforms have ensured that Indian culture continues to exist even to day.

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Q.13 ब्रिटिश नीतियों ने भारत के विऔद्योगीकरण में किस प्रकार योगदान दिया तथा इस प्रक्रिया ने भारतीय कारीगरों के जीवन और व्यापक अर्थव्यवस्था को किस प्रकार प्रभावित किया है? (50 अंक, 250 शब्द)

How did the British policies contribute to the de-industrialization of India, and how did this process affect the lives of Indian artisans and the broader economy? (15 marks, 250 words)

British economic trade begin with East India Company securing rights from Jahangir by Hawkins in 1608, but imperialism begin largely post 1757 Battle of Plassey.

British policies → de-industrialize India

1) One way trade policy

Shaped by Lanchester Lobby to promote Merchantilism by duty free imports

11) Free supply of raw material

Duty free export of raw material resulted into shifting cropping towards cash crops like Indigo

111) End of rural handicrafts industry

By cheap imports of machine made goods

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with inverted trade policy to benefit British Merchantile class

iv) Drain of Wealth

Eg:- Dadabhai Naroji in "Poverty: Unbritish Rule of India", provided loot by waging war in Europe on Indian expenses

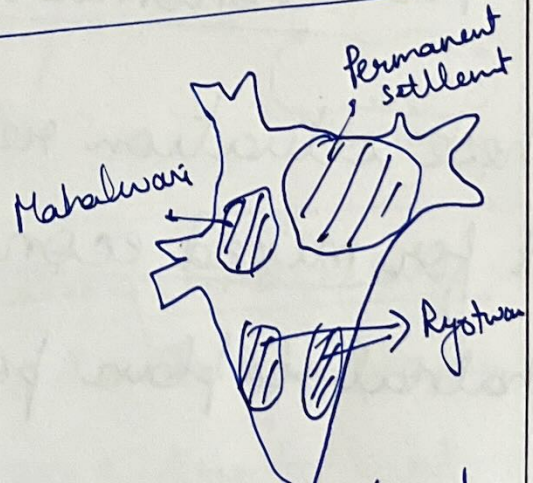
v) Expansion on benefitting local merchants

Eg:- Ranade study on railways creation by heavy loans on 5% rate (over global 3% rate)

vi) The commodification of land Based on Cornwallis system of Permanent settlement

vii) Promoting European interest like Indigo causing artificial famine condition

viii) De-industrialization due lack of capital transfer



system of land taxation

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Impact of it

- Indian artisans
  - forced to become landless labour in agriculture causing further economic exploitation
  - Ruin of rural industries causing forceful bonded labour trapping in inter-generational debt
- Broader Economy
  - Dilapidated Industrialization with no adequate technology transfer
  - Capitalization of agriculture causing lack of food security
  - Economic drain of wealth with poor economic development

These situation resulted India to opt for mixed economy model as per Mahalnabois plan post Independence.

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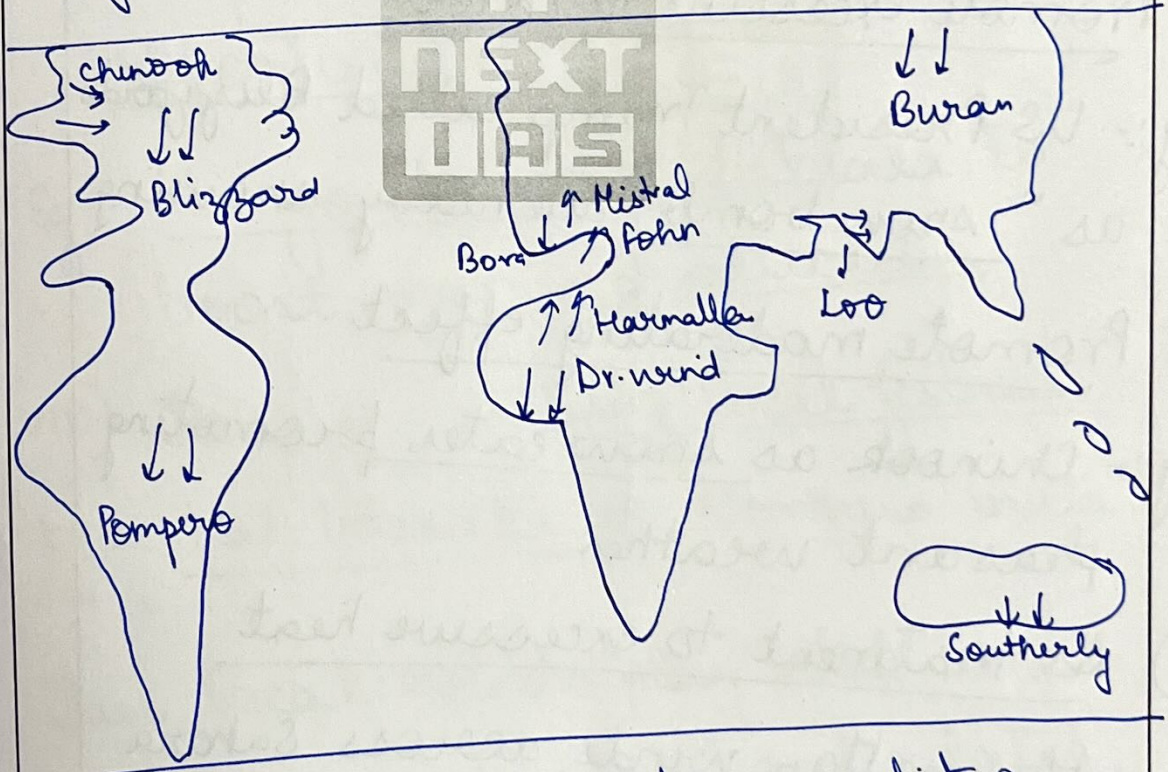
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Q.14 स्थानीय पवनों के निर्माण में कौन से कारक सहायक होते हैं? प्रासंगिक उदाहरण प्रस्तुत करते हुए, विभिन्न क्षेत्रों में मौसम और जलवायु पर उनके प्रभावों की चर्चा कीजिए। (50 अंक, 250 शब्द)

What are the factors that lead to the formation of local winds? Discuss their impact on the weather and climate in various regions, providing relevant examples. (15 marks, 250 words)

local winds are temporary circulation formed due to pressure variation resulting into cooling or heating effect in the region

Major local winds



factors → Differential heating condition like Loo in Indo-Gangetic plains

↳ the sea-land breeze due to land-sea different latent heat

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iii) The funneling effect across mountain causing Katabatic winds

iv) The high pressure circulation causing winds like Dr. Winds in Africa due high pressure condition.

Impacts on weather and climate

i) Promote excessive winters

Eg:- US President Trump called Blizzards as "snow bomb" due heavy snowing

ii) Promote moderating effect

Eg:- Chinook as snow eater promoting pleasant weather

iii) As treatment to excessive heat

Eg:- Harmattan winds across Sahara region

iv) Promote permafrost condition

Eg:- Buran across Russian region

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v) Helps in agrarian works like Bora by bringing rainfall for plantation of orchids

vi) Create conducive future situation

Eg:- Loo is creating monsoon trough for later precipitation

vii) Help in shaping special & economic opportunities

Eg:- Mango showers in Kerala to boost mango production

viii) Help in shaping local festival

Eg:- Kal-baisaki in Northern India

Thus local winds play vital role to shape geographical and related social phenomena.

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Q.15 बैंगलोर और हैदराबाद जैसे महानगरों में ताजे जल की कमी के प्रमुख कारण क्या हैं? शहरी जल प्रबंधन की आपूर्ति और मांग दोनों पहलुओं को संबोधित करने वाले व्यापक समाधान सुझाएँ। (50 अंक, 250 शब्द)

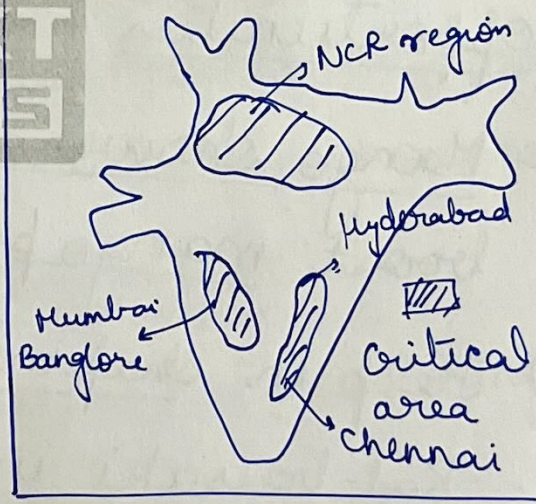
What are the primary drivers of freshwater scarcity in megacities like Bangalore and Hyderabad? Suggest comprehensive solutions that address both supply and demand aspects of urban water management. (15 marks, 250 words)

Recently NITI Aayog observed over 18% places as critically short of fresh water accounting to megacities like Banglore with million population

Primary drivers

I) Enchroachment of natural aquifers

Eg:- Ministry of Jal Shakti of over 35,000 natural water bodies



II) Lack of water circularity and recycling

Eg:- Poor drainage across Banglore

III) Haphazard gentrification

Eg:- Heavy concretization causing fall of groundwater by 40 cm per year in Hyderabad

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iv) Lack of emphasis on integrated watershed management approach

v) Lack of treatment of water effluents seen in areas like Okhla in Delhi

vi) Problem of excessive urbanization Malthusian hypothesis on falling natural recharge due high consumption like in Chennai

vii) High water consuming industries

Eg:- Use in automobile sector across Chennai as 'Detroit of India'.

Comprehensive solution to it

i) Promoting ~~supply~~ mission mode approach

Eg:- Mission Kakatiya by Telangana across Hyderabad

ii) Role of urban local bodies

Eg:- Pune municipality by raising special bonds for clean water

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iii) learning from best global practice like Japanese water circularity by recycling water for freshwater supply

iv) Ensuring integrated watershed management approach for adequate freshwater supply

Demand side

i) Using rainwater harvesting facility

Eg:- Tamil Nadu model for self sufficiency in fresh water

ii) Restricting groundwater extraction by ways like 24x7 metered approach based on demand based consumption

iii) Promoting self-filtration within industries for fresh water needs like Gujarat model

In this manner ensure water justice to megacities.

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Q.16 नीली क्रांति क्या है? जलीयकृषि (एक्वाकल्चर) के विकास में महत्वपूर्ण बाधाएँ क्या हैं, तथा उन्हें दूर करने के लिए कौन सी व्यापक रणनीतियाँ लागू की जा सकती हैं?

(50 अंक, 250 शब्द)

What is the Blue Revolution? What are the significant hurdles in aquaculture development, and what comprehensive strategies can be implemented to address them?

(15 marks, 250 words)

Blue revolution accounts to exploring untapped resources related to water based resources like fisheries, aquaculture and others.

Components of blue revolution

i) The local population, who can extract benefits due close proximity

ii) The blue resources like fishing, extracting fisheries oil, shrimp cultivation etc.

iii) The huge market potential for provisioning and economic services

Significant hurdle in aquaculture

i) lack of technological integration

Eg:- Use of cyanide blasting fishing risk issue of biomagnification

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ii) Loss of aquaculture hotspots

Eg:- Due to coral bleaching causing low fish density across coral reefs

iii) Challenge of high diversity

Especially across tropical region, disincentivize market opportunity

iv) Geo-political challenges

Eg:- Disputed borders causing risk to fisherman like Katchetevu Case

v) Low oil extraction

Due to reducing capabilities and presence in fish due marine heat waves

vi) Underdeveloped inland potential

Causing low exploration and fishing

Comprehensive Strategy

i) Fulfilling PM Matsya Sampada Yojana to provide capacity building to fisherman

ii) Resolving disputed borders and

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improving safety through RFID fitting of GPS based navigation of boats

iii) learning from scientific methods used by Japanese for sustainable fishing practices

iv) Accounting to WTO regulation to clamp IUU norms of Illegal, unregulated and unaccounted fishing practice

v) Promoting region based models like shrimp cultivation across Sunderbans region.

vi) Improving inland fishing potential by providing adequate subsidize aid like in Kerala across Vembanand Lake

Thus helping in using last mile reach approach towards Viksit Bharat, 2047

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Q.17 भारत में बड़े पैमाने पर सौर फार्मों की स्थापना को प्रभावित करने वाले प्रमुख कारक क्या हैं, और उनके पर्यावरणीय और सामाजिक प्रभाव क्या हैं? भारत जैव विविधता और स्थानीय पारिस्थितिकी तंत्र की रक्षा की आवश्यकता के साथ सौर ऊर्जा के विस्तार को किस प्रकार संतुलित कर सकता है?

(50 अंक, 250 शब्द)

What are the key factors influencing the establishment of large-scale solar farms in India, and what are their environmental and social impacts? How can India balance the expansion of solar energy with the need to protect biodiversity and local ecosystems?

(15 marks, 250 words)

In pursuit of Pandhran goals to have 50% energy production by renewable resources solar energy provides high scope due tropical location of India

Key factors influencing large-scale solar farm

I) large open lands facility

Eg:- Thar desert region in Rajasthan

II) Disparingly level of population

Eg:- Kutchh region due low economic viability

III) The stable weather with low precipitation

Eg:- Regions across Tamil Nadu due to low rainfall by South West monsoon

IV) Close proximity to intensive grid structure. Eg:- Rajasthan area for

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supply in intensive areas across Indo-gangetic plains

v) High solar radiation with low cloud cover or relative humidity

Eg:- Areas across Sw Bhoj region.

Impacts of it

Environment

- Challenge to local biodiversity. Eg:- Great Indian bastard in Rajasthan
- Reduce albedo rates causing high positive feedback mechanism
- Heavy gridding and installation needs high deforestation and wasteland creation

Social Impact

- forceful development led displacement mostly of local tribal community
- Loss of traditional values due to forceful assimilation to mainstream society
- The issue of carrying capacity alignment due rehab in high density area.

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Balancing approach

i) Promoting localized model like Tamil Nadu for subsidy to install solar panel at household level

ii) The opportunity to sell extra produce solar energy by Renewable Energy certificate approach at local level

iii) Using technological intervention like diverters to prevent issue of electrocutation in natural diversity

iv) Comprehensive rehabilitative policy aligned for integration with adequate social development

v) Taking up PM Kusum model for local area based installation

vi) R&D to improve energy efficiency at already installed large solar plant

Thus target towards self-sufficiency in renewables

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Q.18 सोशल मीडिया प्लेटफॉर्म किस तरह से सामाजिक असमानताओं और सत्ता (शक्ति) संरचनाओं को बनाये रखते हैं या चुनौती देते हैं? एक आलोचनात्मक विश्लेषण प्रस्तुत कीजिए।

(50 अंक, 250 शब्द)

In what ways do social media platforms perpetuate and challenge social inequalities and power structures? Provide a critical analysis.

(15 marks, 250 words)

Social media emerged as new agent of social change that act as dual edged sword in advocating socialization and social control in modern days

Social media as negative medium

I) ~~Challenges~~ Perpetuate social inequality

Eg:- Sexualization of olympics, seen in Tokyo Games to improve watch time

II) New form of social deviance

Eg:- Perpetuate caste by ways like Brahminical matrimony sites

III) Shapes inequality based narrative

Eg:- Shaping islamophobia globally and causing communal riots due it

IV) Inequality in social sphere

FOMO culture by social media by

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feeling of deprivation causing social alienation

Power structure

I) Promote elite perspective

Eg:- Case Study on election rigging by Cambridge Analytica through facebook

II) Promote democratic backsliding

Eg:- V-DEM study on use of deepfake to promote sense of enmity during election

III) Help in casturization of politics

Eg:- Social media to promote vote bank politics

IV) Reaffirm Murdockization syndrome

As large social media are controlled by corporates using for lobbying purpose

On the other hand

I) Challenge Social inequalities

Preaching idea of equality like

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Government using for perception building on Sarva Dharma Sambhava

ii) Means for social movement

Eg:- #Me Too movement for gender justice against harassment

iii) Overcoming social division

Eg:- Using social media to promote collectu tendency like "Sabka Saath Sabka Vikas"

In power structure

i) Promote decentralizing effect

Eg:- Naz foundation to advocate for rights of transgender

ii) Challenge elite rule

Eg:- By building public narrative against wrong practices like money and muscle power.

iii) Promote equitable opportunity

By bringing political neglect like tribal issu

Thus onus lies on us to ensure ethical use like EV guidelines.

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Q.19 जनजातीय एवं मुख्यधारा समाज का तुलनात्मक विश्लेषण कीजिए। क्या जनजातीय समाज मुख्यधारा समाज से ज्यादा प्रगतिशील है? उदाहरण सहित तर्क दीजिए। (50 अंक, 250 शब्द)

Give a comparative analysis of the tribal and mainstream societies. Is tribal society more progressive than mainstream society? Argue with examples. (15 marks, 250 words)

L.P. Vidyarthi defined "tribes as endogamous social group with geographical uniqueness having different method of living and economic situation"

Comparitive analysis

Dimension	Tribals	Mainstream
i) Nature	Largely homogeneous	Heterogeneous like caste, class, gender
ii) Method of living	Minimalist with nature centric	Anthropocentrism with individuality
iii) Degree of bond	High level with collective consciou	Low affinity with conspicuous consumptio
iv) Degree of mobility	Low with high geographic bonds	Higher due to meritocratic based stratificatio
v) Focus on lifestyle	Limited for life substence	High due status war culture

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Tribals are more progressive

i) In terms of collective effervescence

Due to high kinship bond and inter-community linkage

ii) Association with nature

Balem Declaration stated tribals are more ahead in nature based living

iii) Progressive in cultural affinity

More integrated and sensitive towards language and traditional beliefs

iv) Progressive in simplicity

Delineating from modern culture of self-consumption and social exclusion

v) Orientation for future

Towards sustainable lifestyle with controlled consumption on necessity largely by minor forest produce.

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However challenges persist

1) Health condition

Eg:- About 90% tribal women suffers from anemia or have chronic disease

ii) Low education enrollment ratio

As low as 18% found in Odisha region by ASER report

iii) Development induced displacement leading to cultural deprivation and lack of safety of Forest Rights

iv) Emerging elitism within tribals like Meena Syndrome as observed by Satish Deshpande in Kolis tribe

The need lies to account Xaxa Committee recomendation for development with focus on social upliftment to achieve goals of reaching last mile.

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Q.20 निर्धनता किस प्रकार जाति, सामाजिक स्तरीकरण और लैंगिक असमानता जैसी अन्य सामाजिक समस्याओं से जुड़ी हुई है, और इन परस्पर संबंधित मुद्दों के समाधान के लिए आप कौन सी व्यापक रणनीतियाँ सुझाते हैं? (50 अंक, 250 शब्द)

In what ways does poverty intersect with other social problems like caste, social stratification, and gender inequality? What comprehensive strategies do you suggest to address these interrelated issues? (15 marks, 250 words)

Amartya Sen stated poverty is not mere lowness of income, but situation of multiple deprivation causing low social, economic or political participation.

Poverty Intersect with other social issu

1) Poverty - Caste

i) The situation of poverty across dalits is more than other caste

ii) Emerging dominant caste culture forcing lower caste to bonded labour

Eg:- Scarlett Epstein Case Study on Lingayats pushing Adi Karnataka to poverty

2) Social stratification

i) Result in unequivalent resource distribution - Eg:- Period poverty in women due lack of rights for menstural wellbeing

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ii) The class based system forming urban poverty situation pushing them in marginal condition on slum living

iii) New stratification on social status

Eg:- Material poverty by deliberate obsolscene culture like new-iphone model for status evaluation

iv) Energy poverty

Eg:- Poor affordability and accessibility to lower strata causing marginalizatio

Gender Inequality

i) Feminization of poverty

Due lack of landholding or adequate opportunity like pink collarized job

ii) Poverty of choices

Zoya Hasan on reproductive slavery in women due lack of rights on consent or contraceptive usage

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Strategies to resolve

i) Breaking up vicious cycle of poverty by ways like Amartya Sen Capability approach

ii) To promote specialized approach like Beti Bachao Beti Padhao to break nexus with gender and improve opportunity under Sarva Siksha Abhiyan

iii) Overcoming illegitimate practices, as B.R. Ambedkar held to break nexus with caste by annhiliation of caste and abolition of Untouchability under Article 17

iv) Utilizing affirmative policy for uplifting out of inter-generational poverty

Thus leading to achieving SDG target 1 of 0 poverty